

Program EVALPLOT
(Version 2015-2)

by

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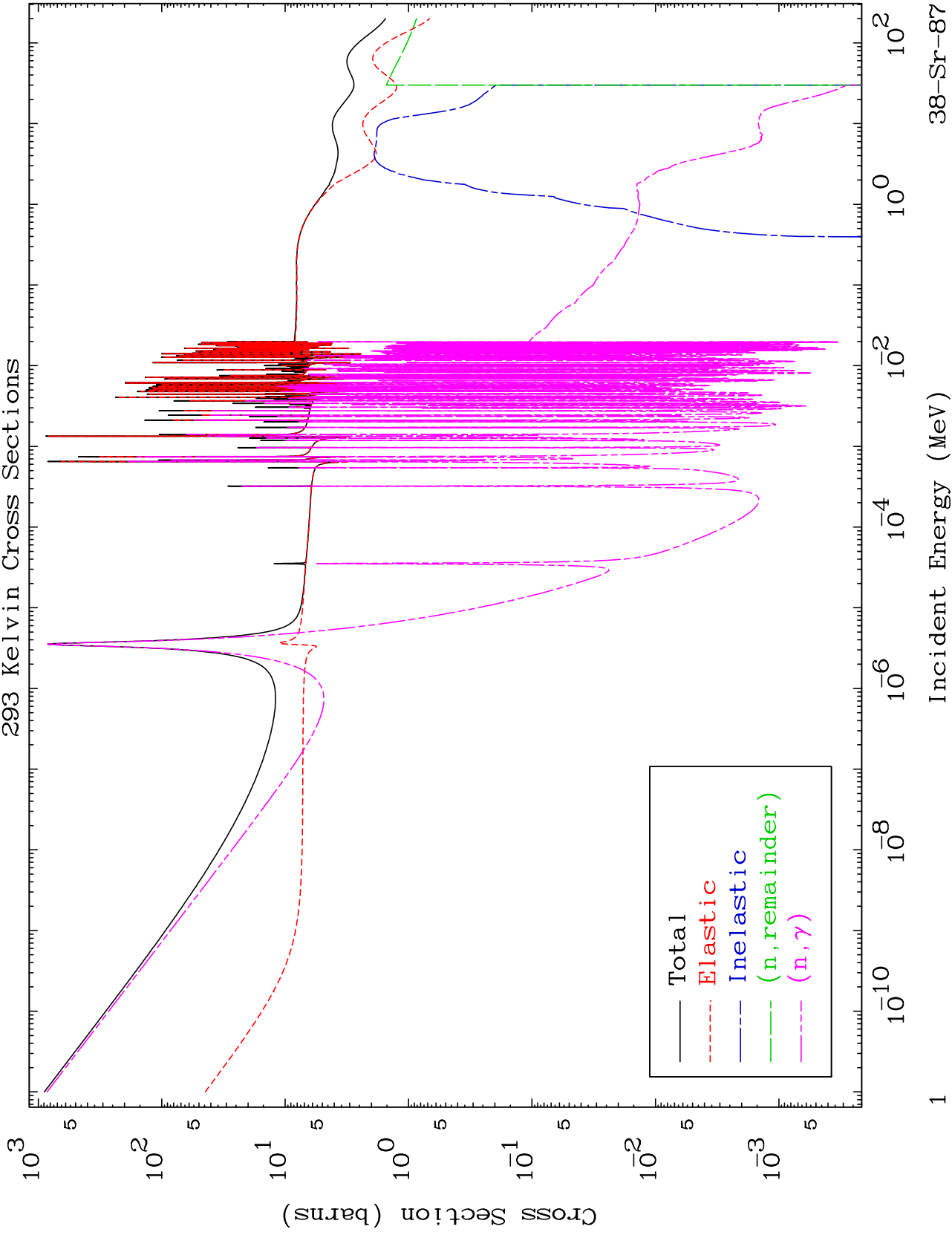
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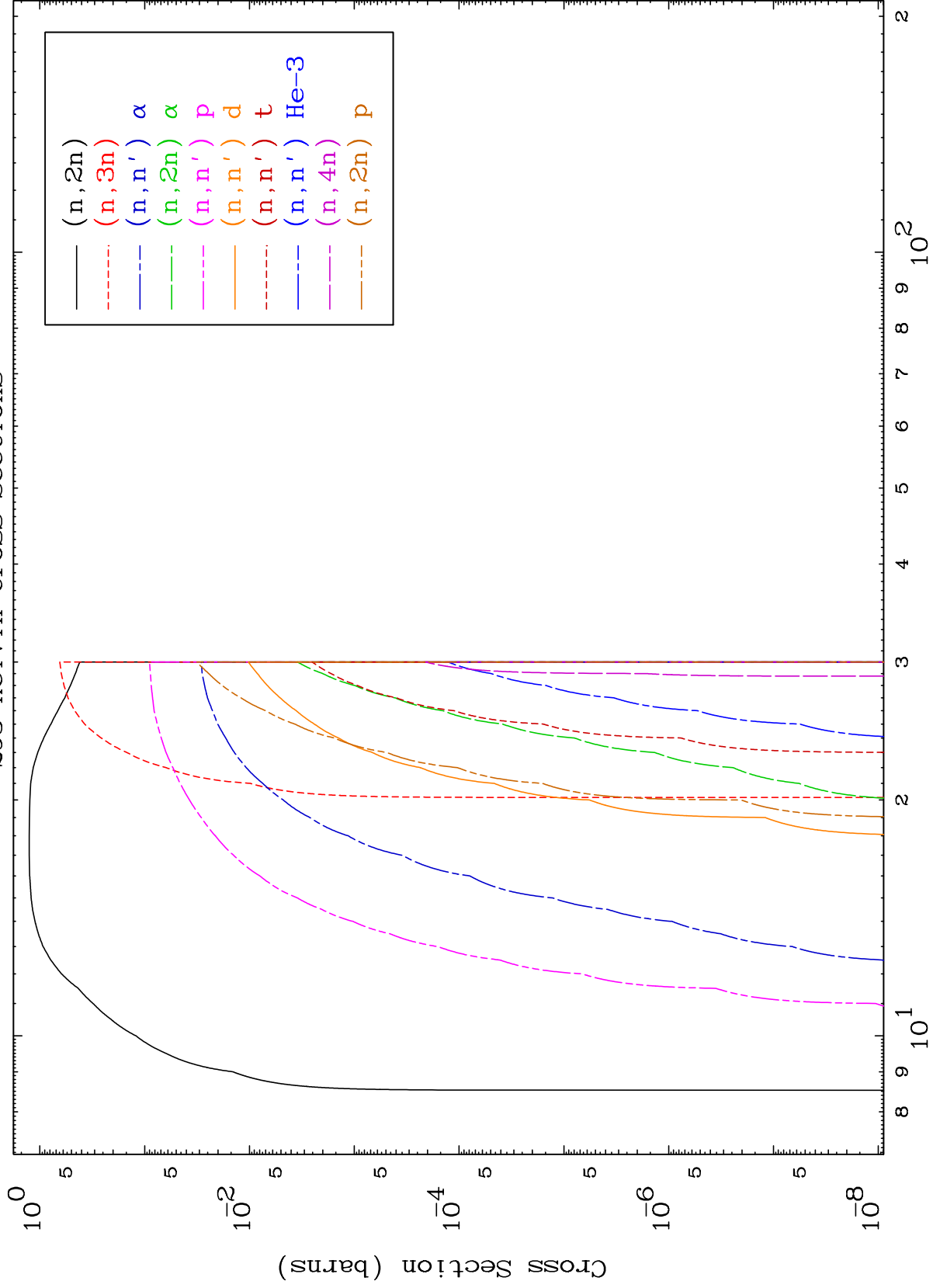
MAT 3834

Major

293 Kelvin Cross Sections

38-Sr-87

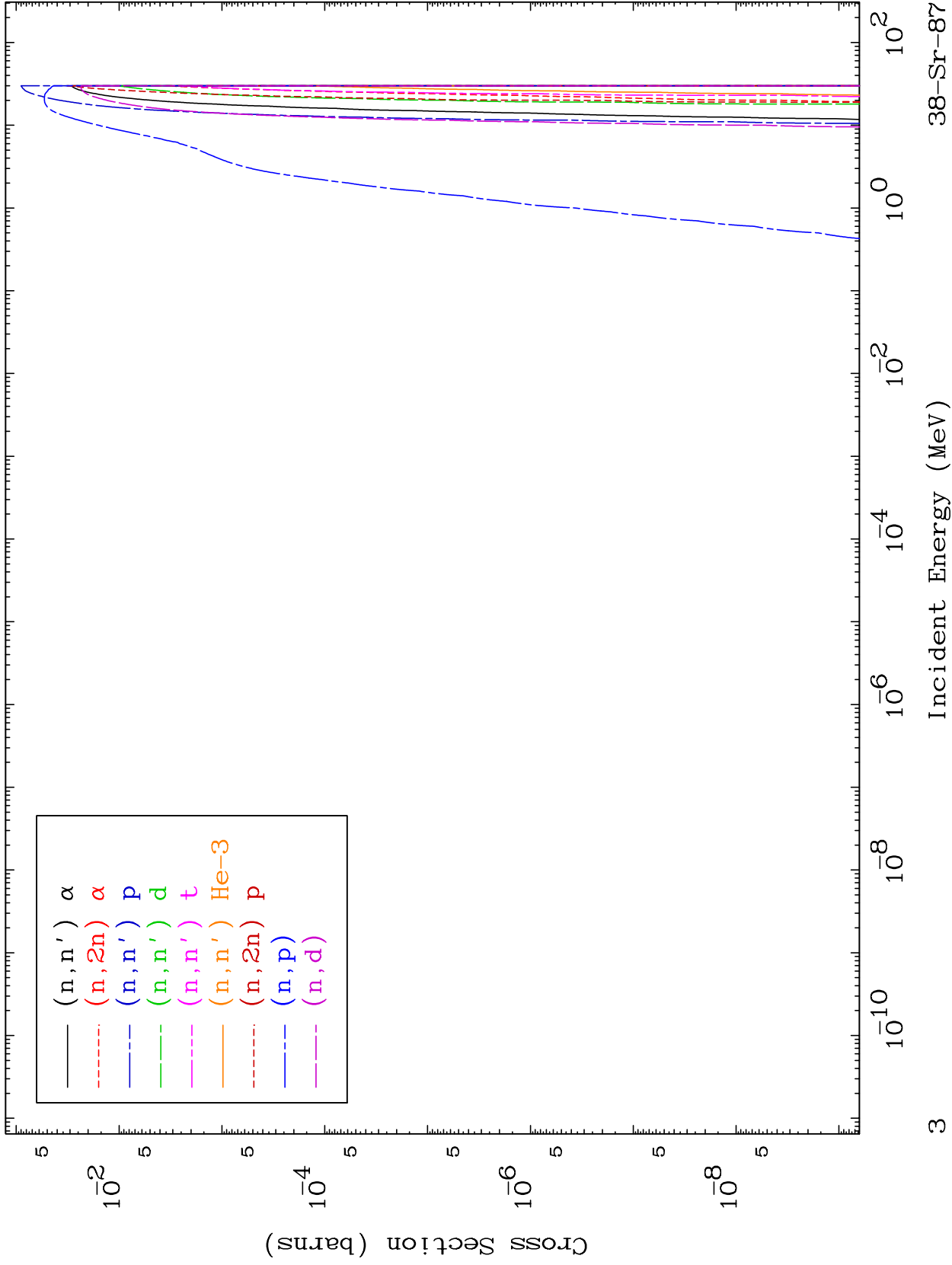




MAT 3834

Charged Particle
293 Kelvin Cross Sections

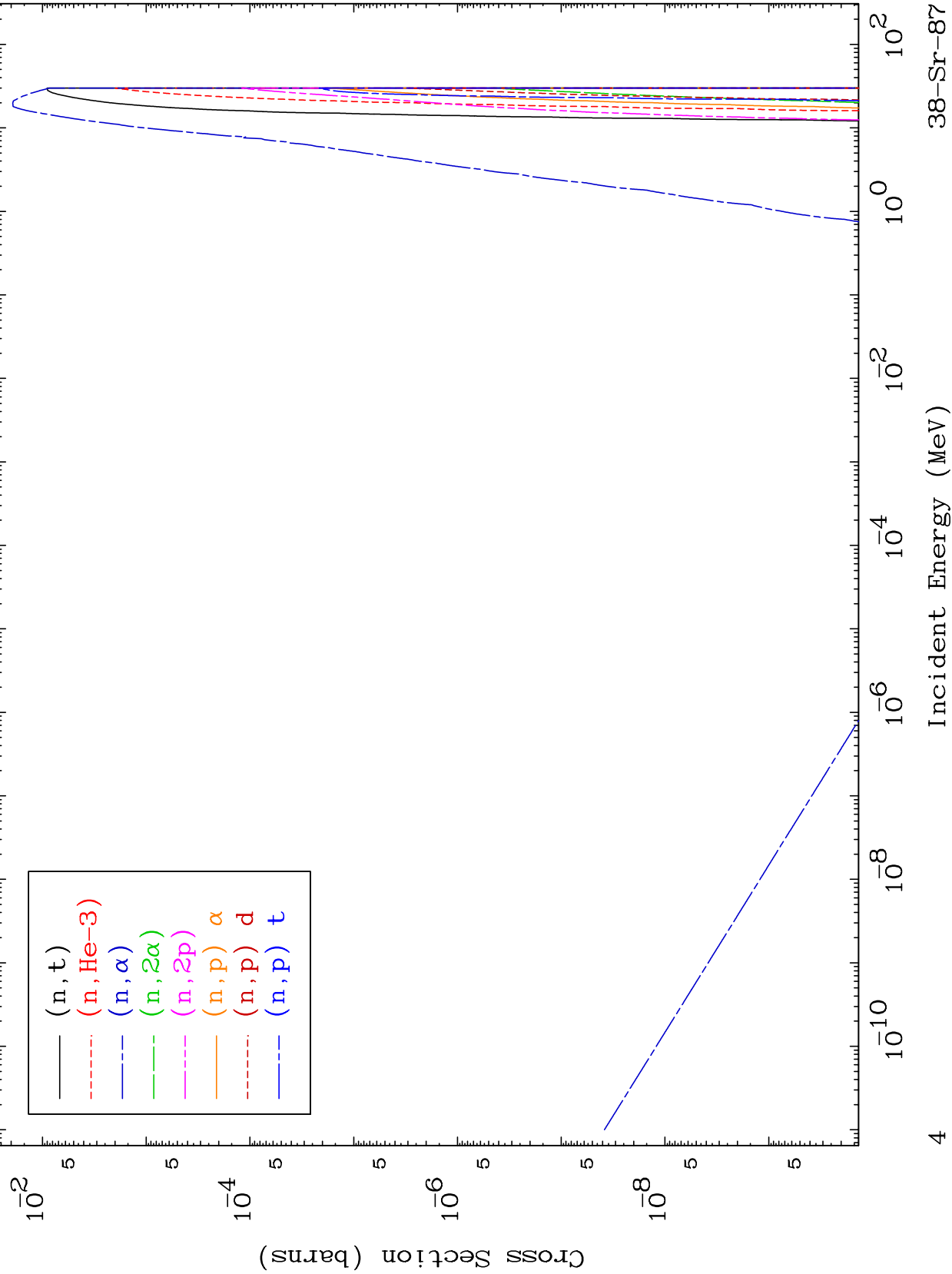
38-Sr-87



MAT 3834

Charged Particle
293 Kelvin Cross Sections

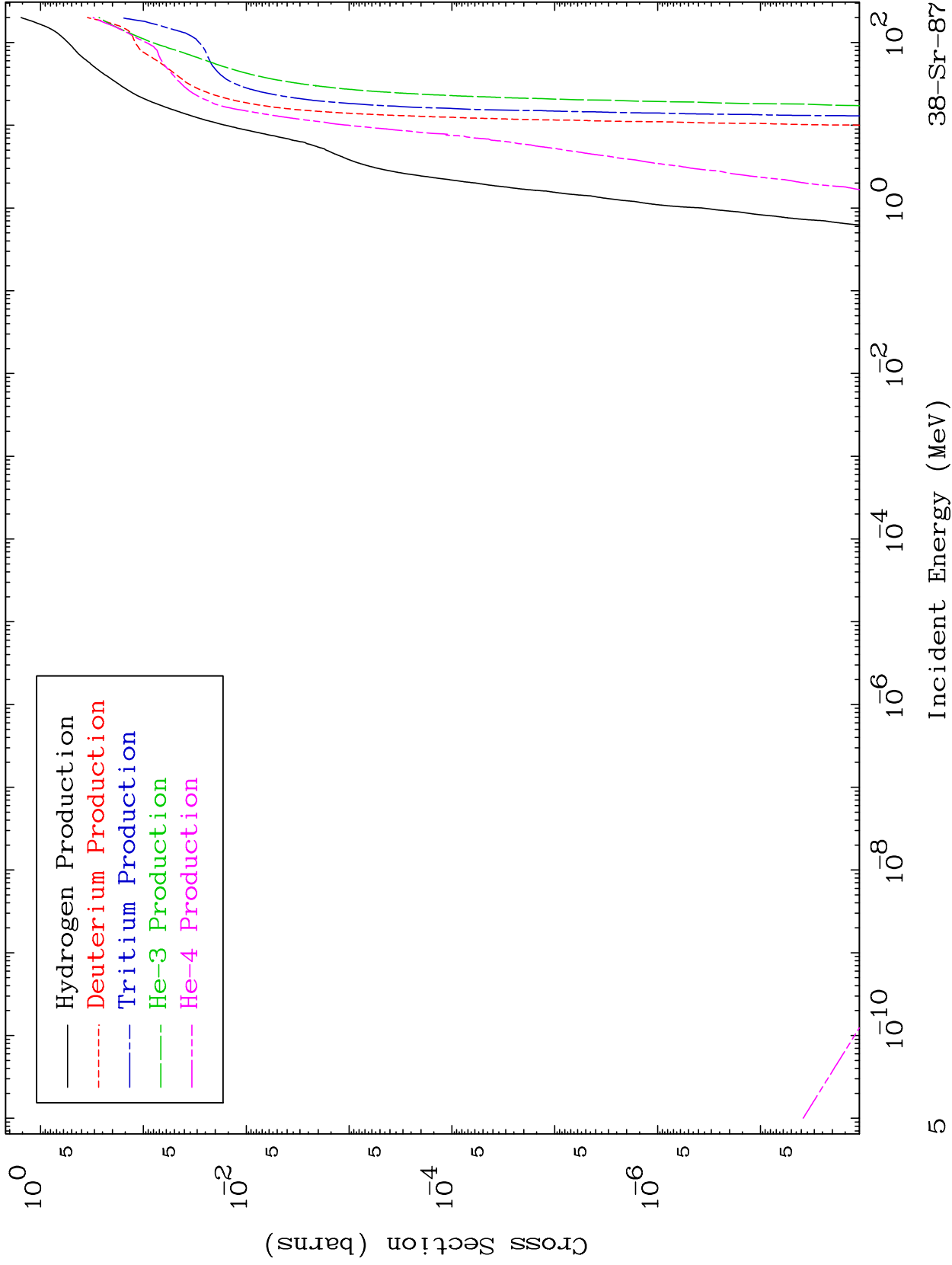
38-Sr-87



MAT 3834

Particle Production
293 Kelvin Cross Sections

38-Sr-87



5

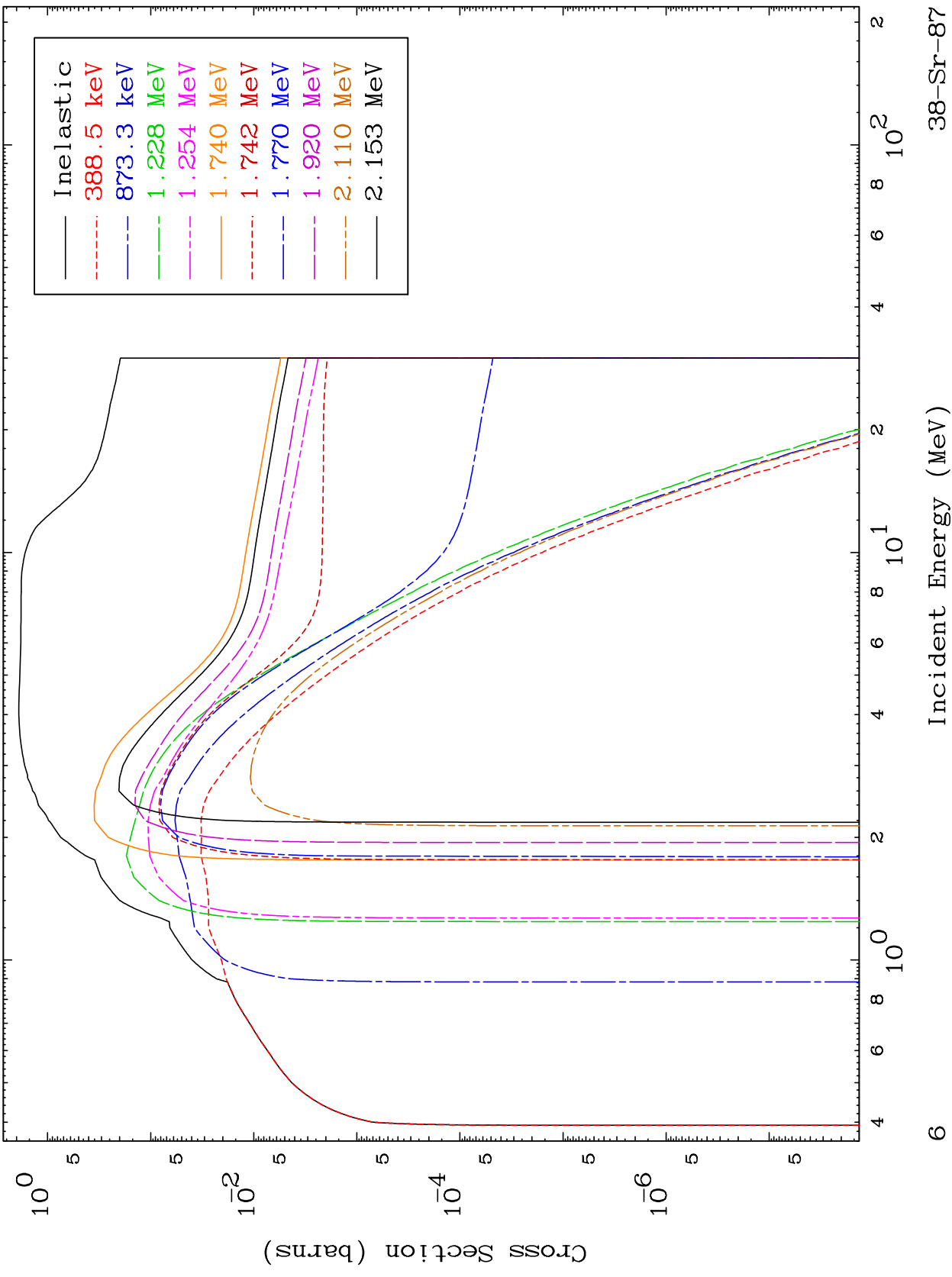
Incident Energy (MeV)

38-Sr-87

MAT 3834

(n,n') Level
293 Kelvin Cross Sections

38-Sr-87



6

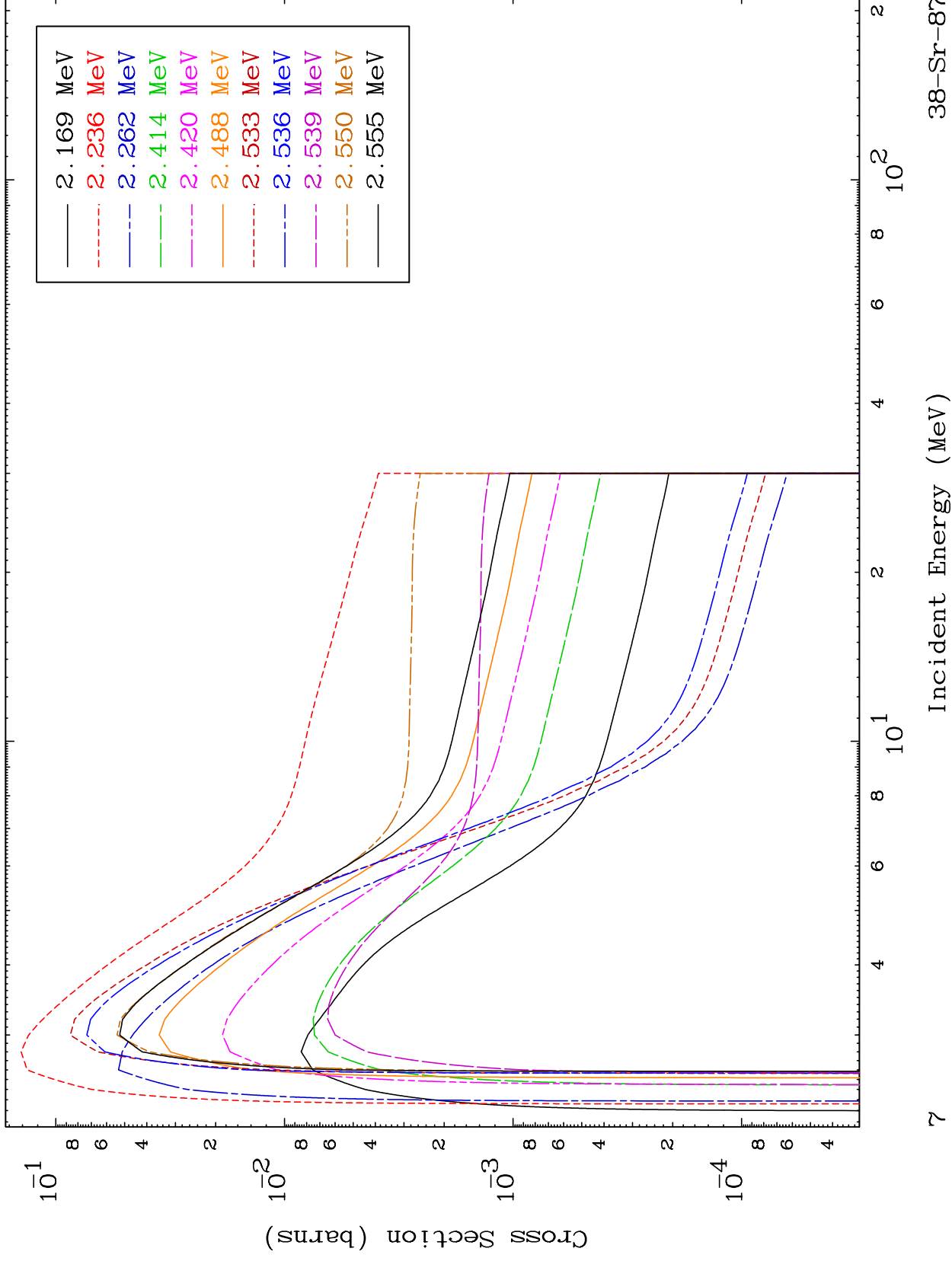
Incident Energy (MeV)

38-Sr-87

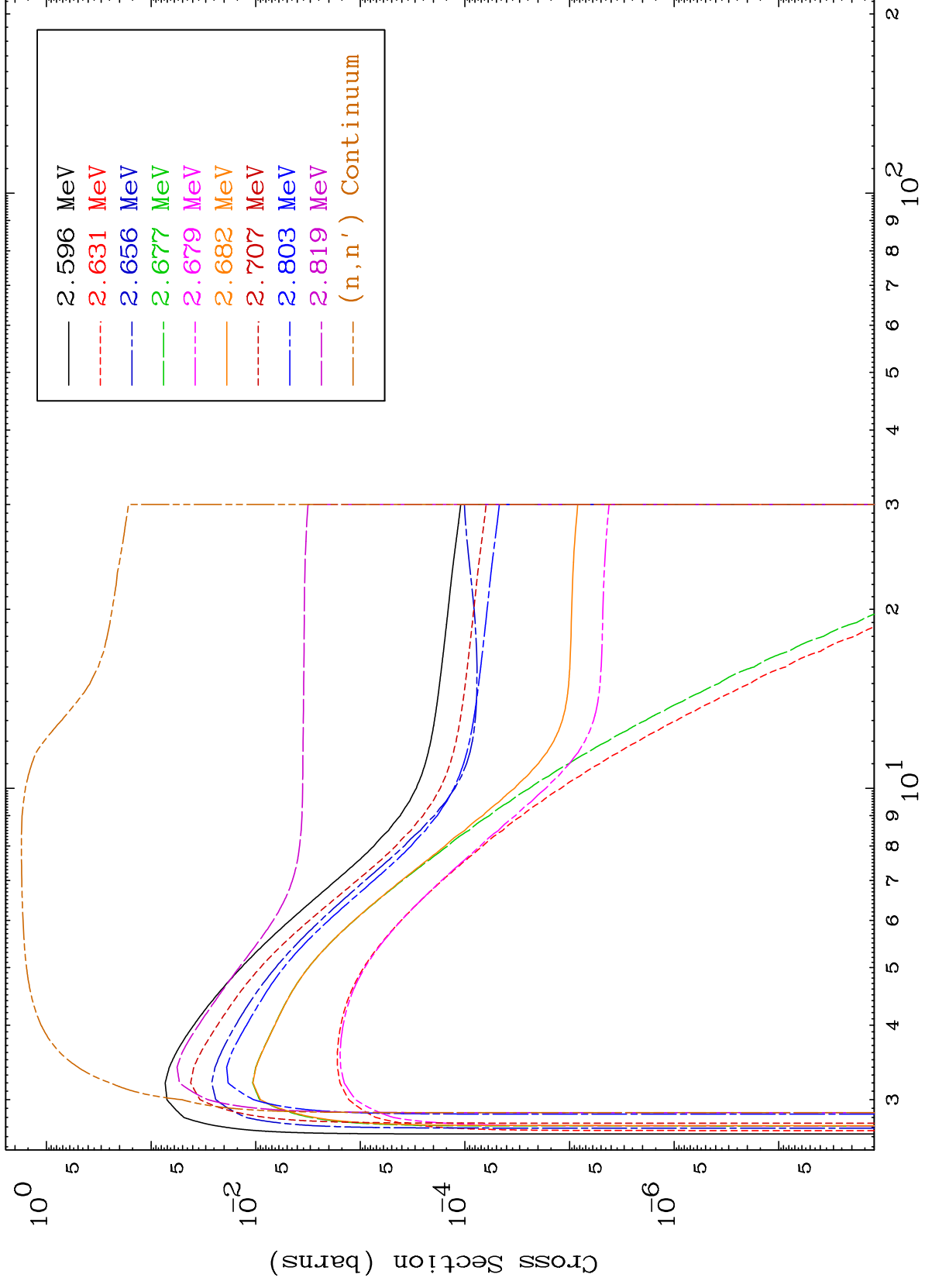
MAT 3834

(n,n') Level
293 Kelvin Cross Sections

38-Sr-87



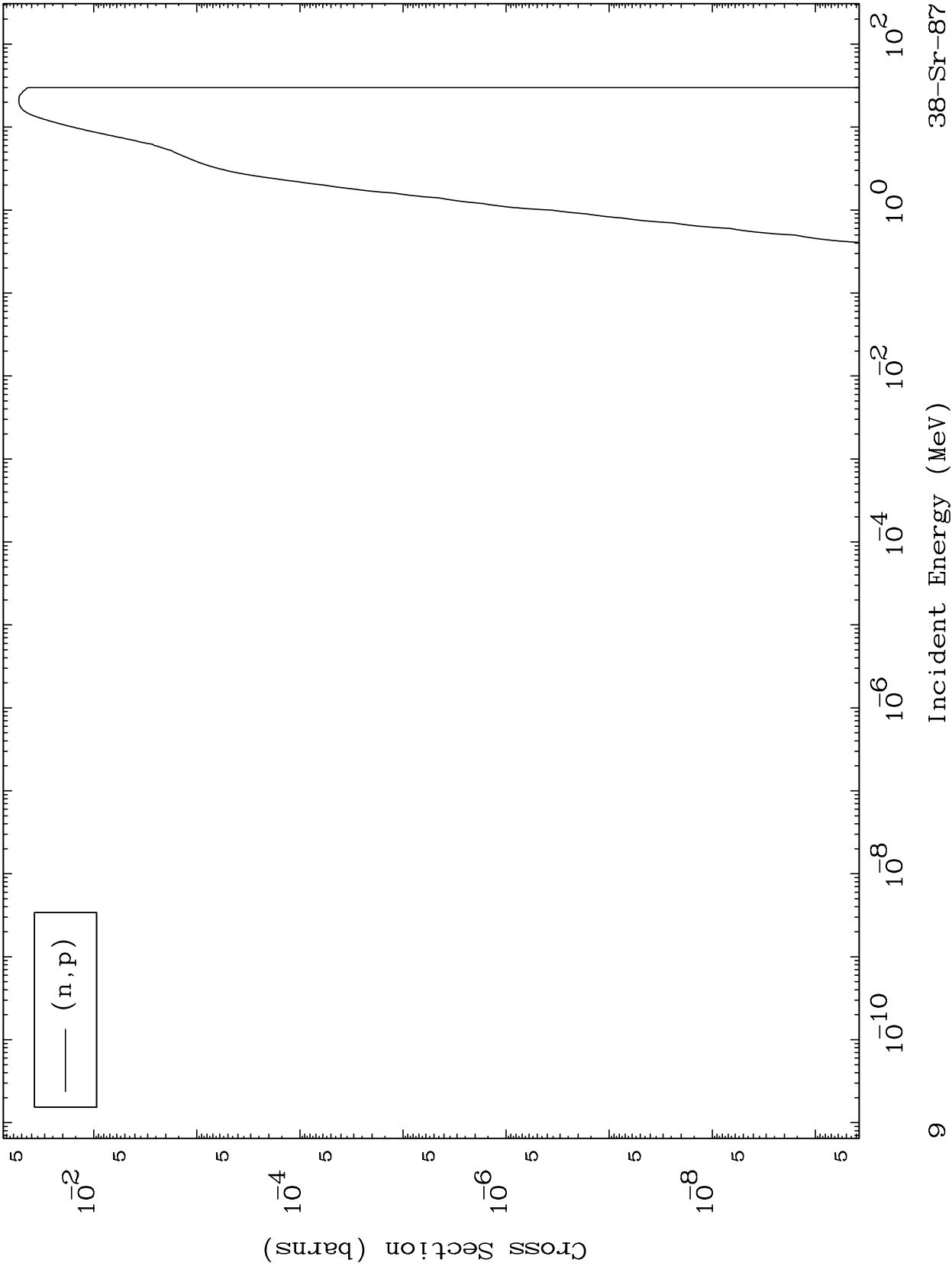
293 Kelvin Cross Sections



MAT 3834

(n,p) Levels
293 Kelvin Cross Sections

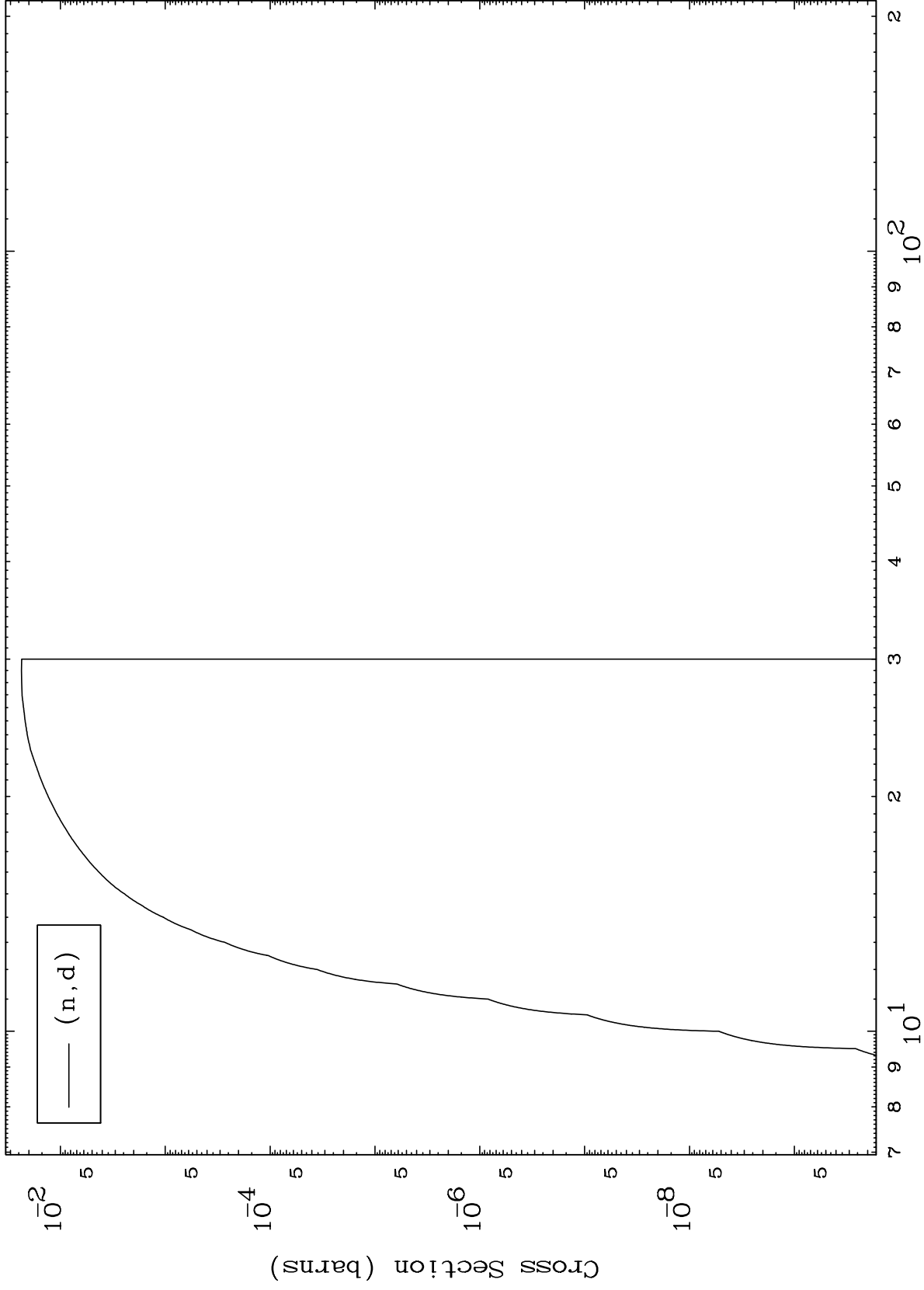
38-Sr-87



MAT 3834

(n,d) Levels
293 Kelvin Cross Sections

38-Sr-87



Incident Energy (MeV)

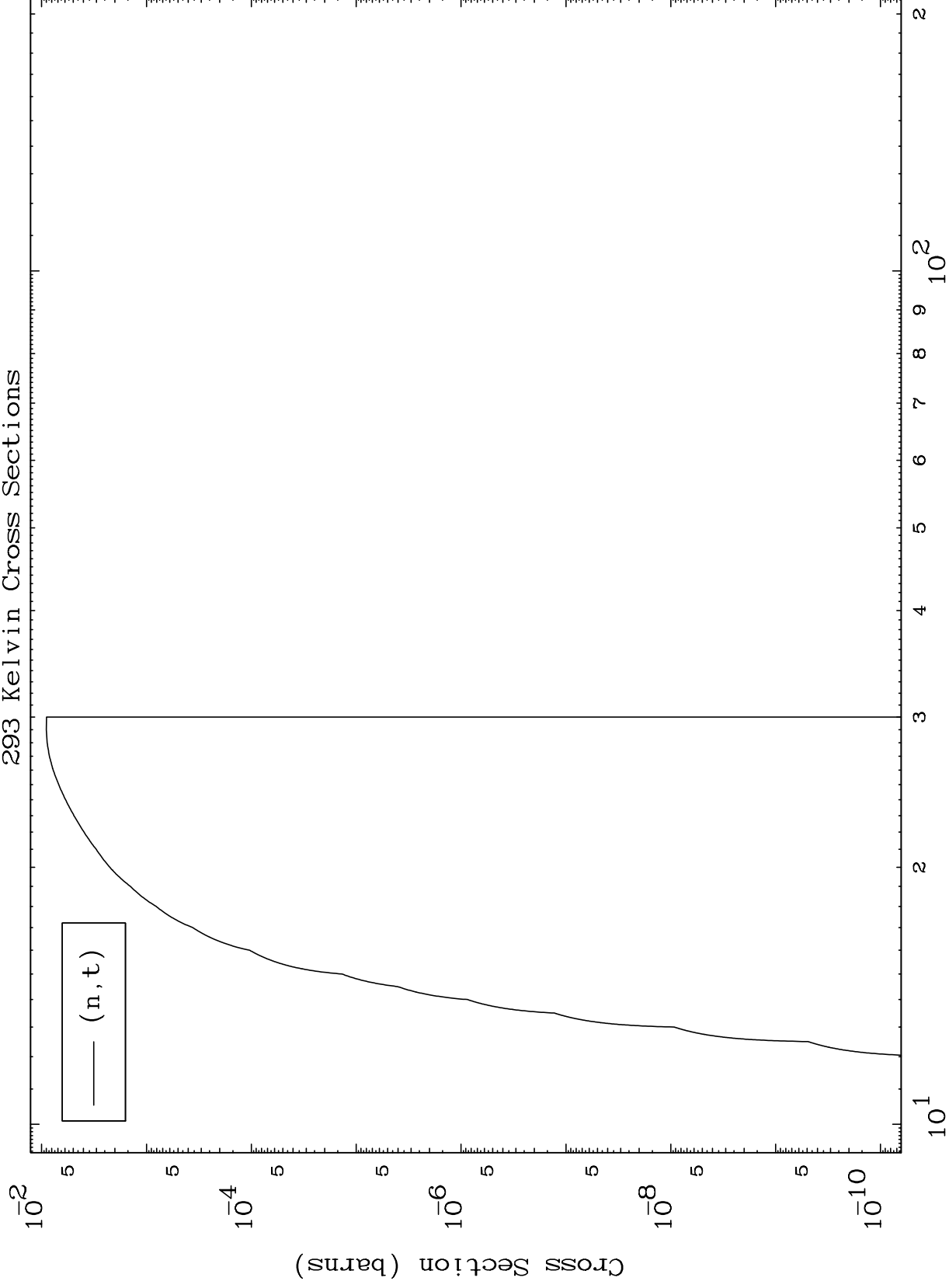
38-Sr-87

10

MAT 3834

(n,t) Levels
293 Kelvin Cross Sections

38-Sr-87



11

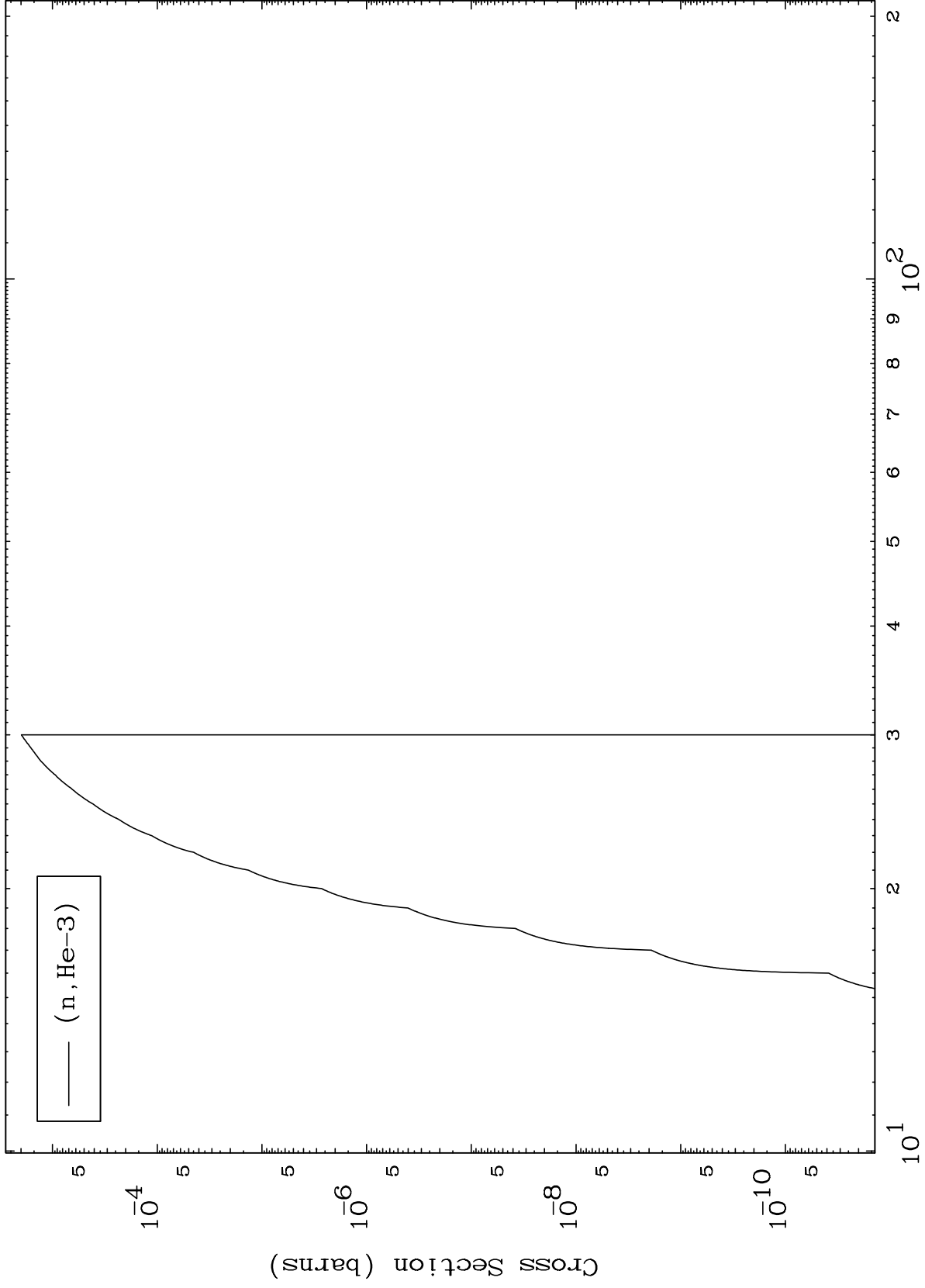
Incident Energy (MeV)

38-Sr-87

MAT 3834

(n,He3) Levels
293 Kelvin Cross Sections

38-Sr-87



12

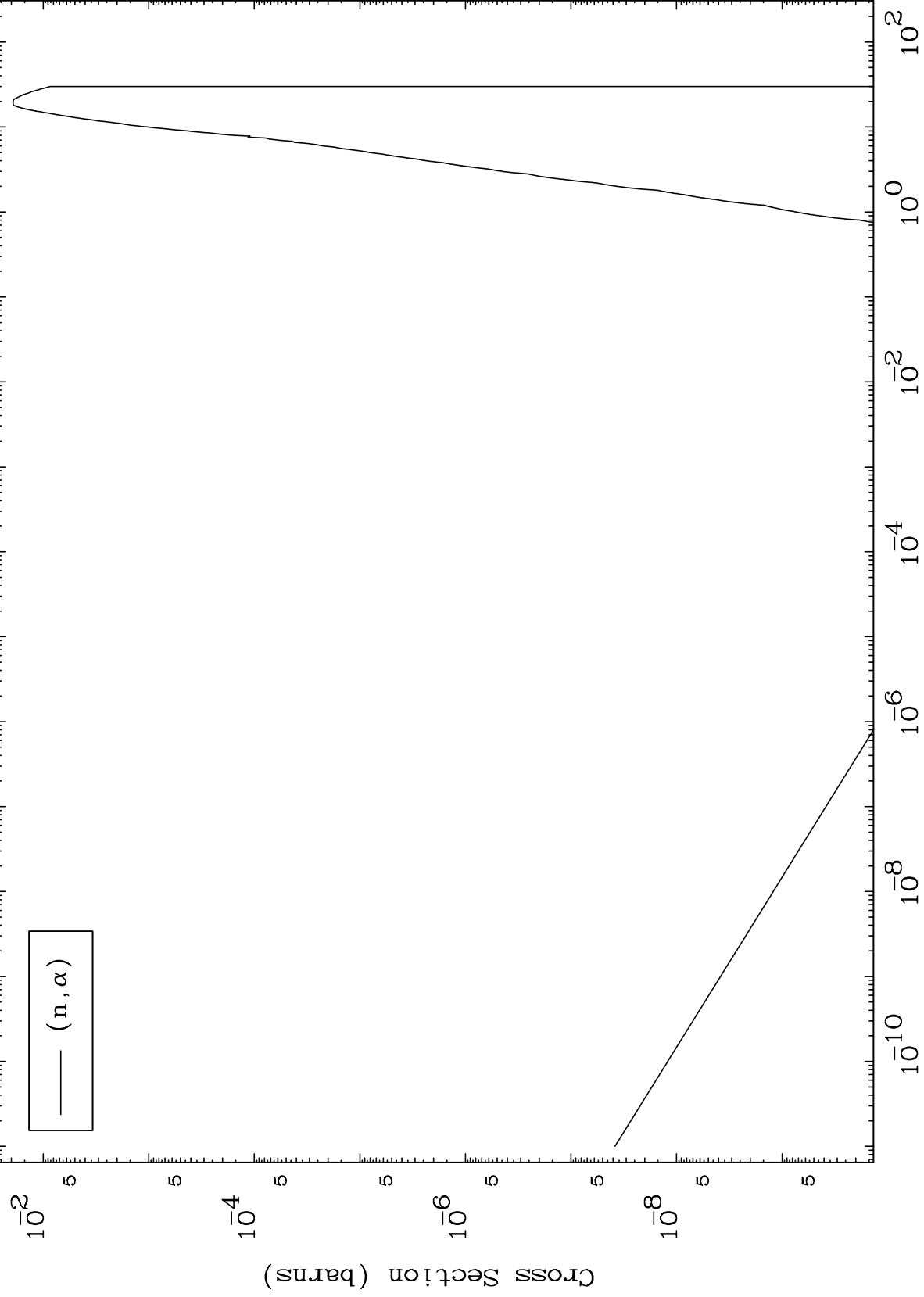
Incident Energy (MeV)

38-Sr-87

MAT 3834

(n, α) Levels
293 Kelvin Cross Sections

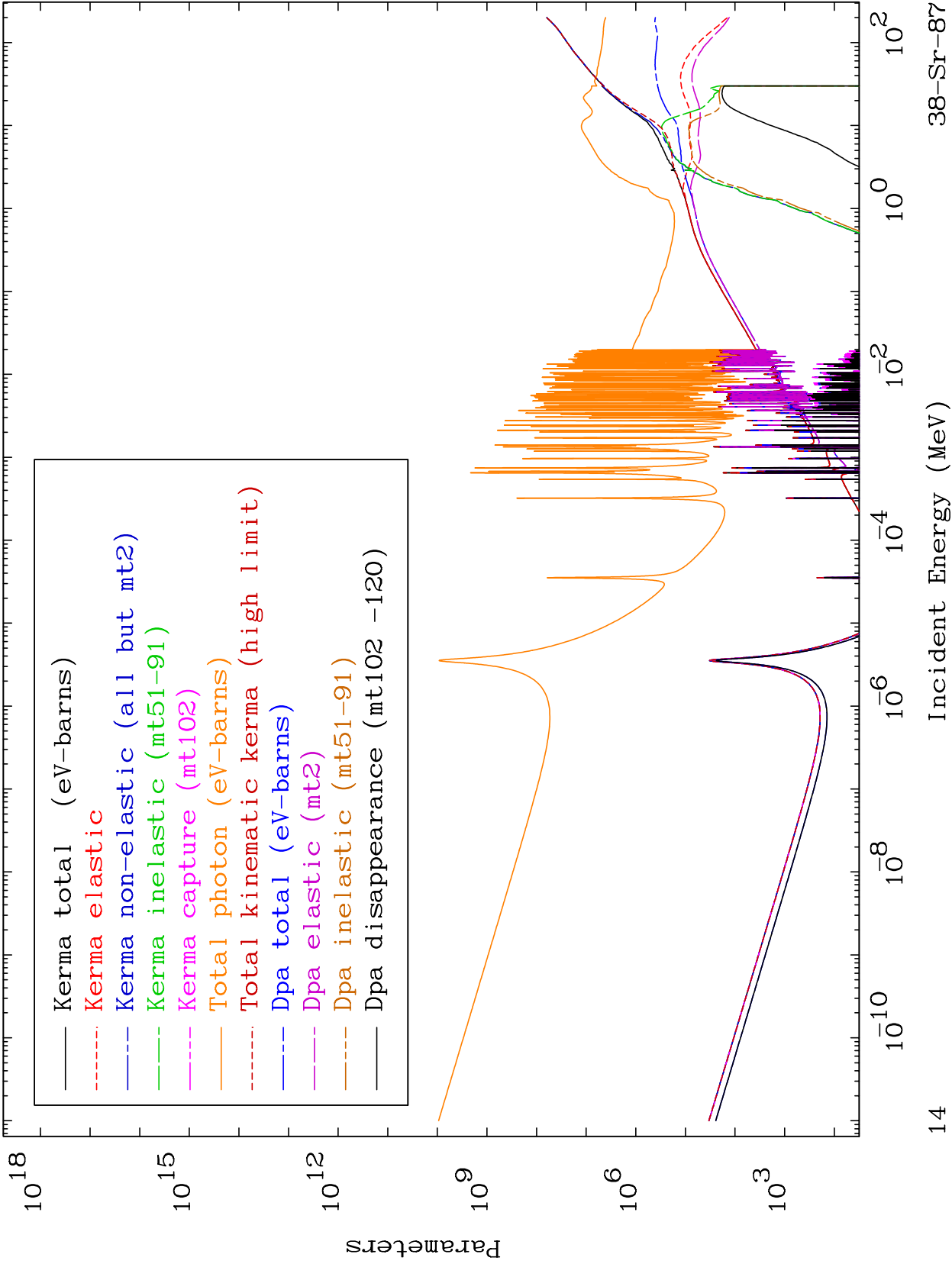
38-Sr-87



13

Incident Energy (MeV)

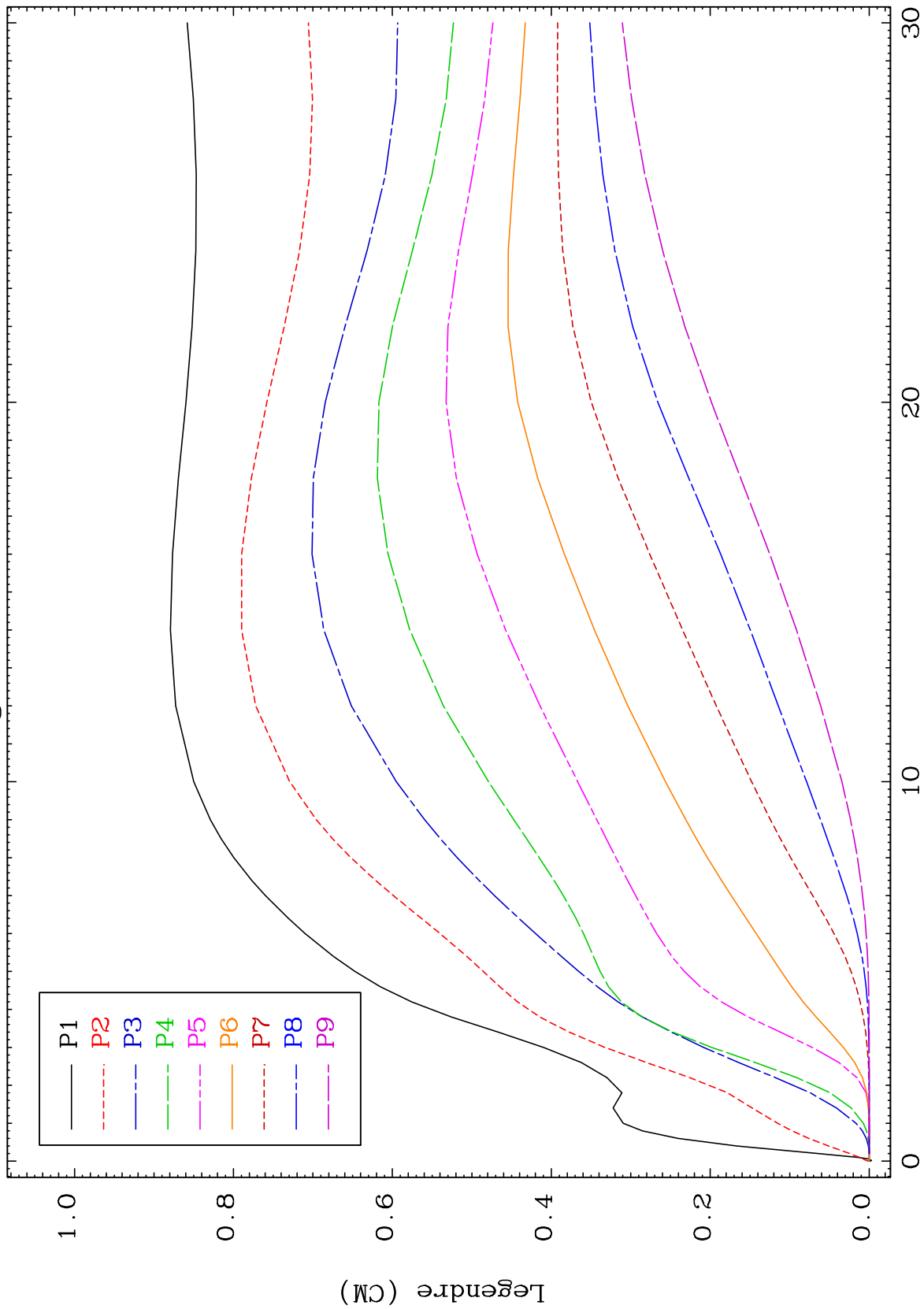
38-Sr-87



MAT 3834

Elastic Legendre Coefficients

38-Sr-87



15

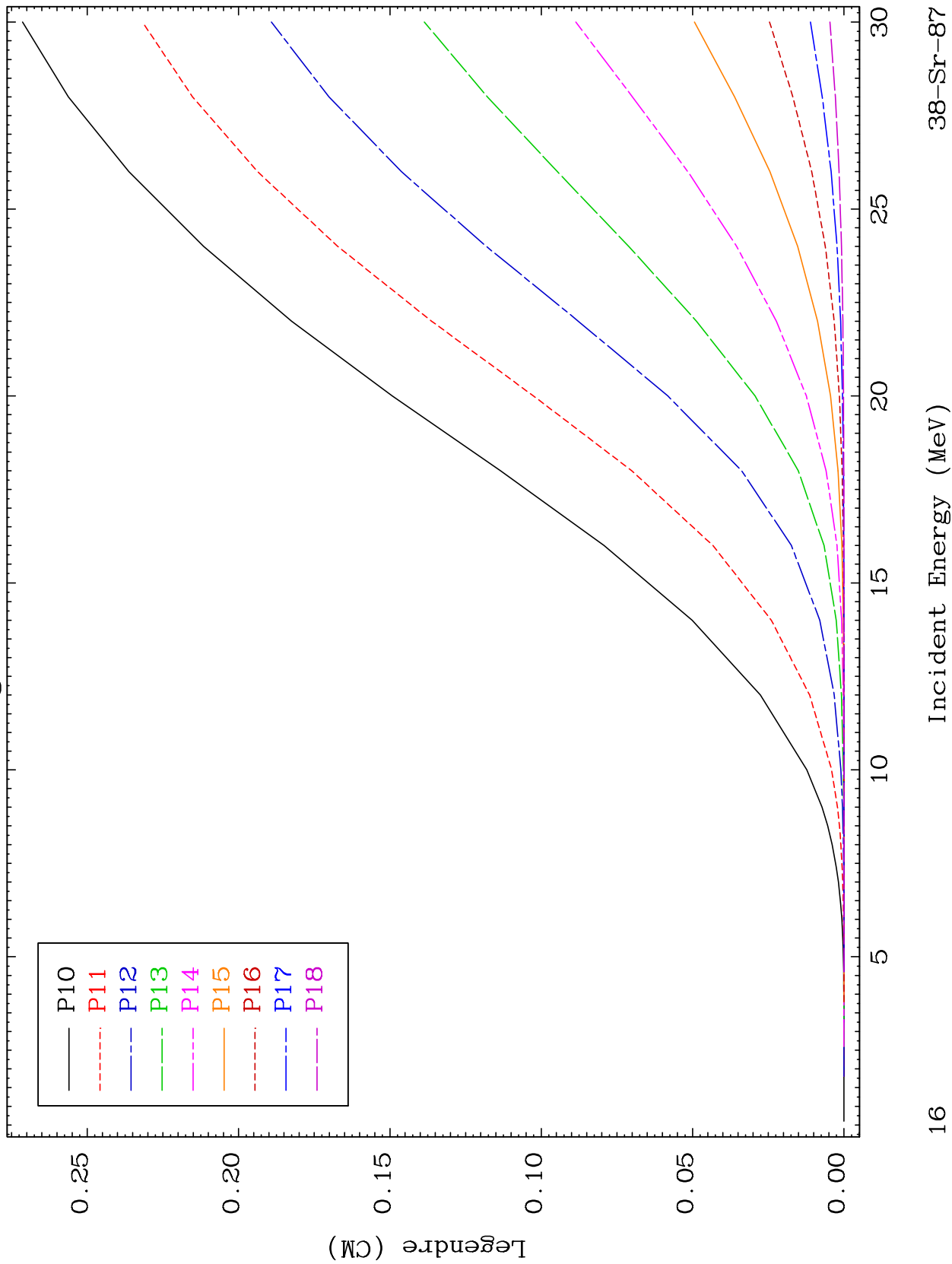
Incident Energy (MeV)

38-Sr-87

MAT 3834

Elastic Legendre Coefficients

38-Sr-87



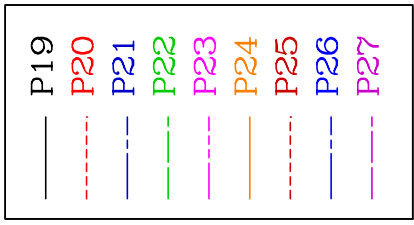
16

38-Sr-87

MAT 3834

Elastic Legendre Coefficients

38-Sr-87



$\times 10^{-3}$

1.5

1.0

0.5

0.0

Legendre (CM)

10

15

20

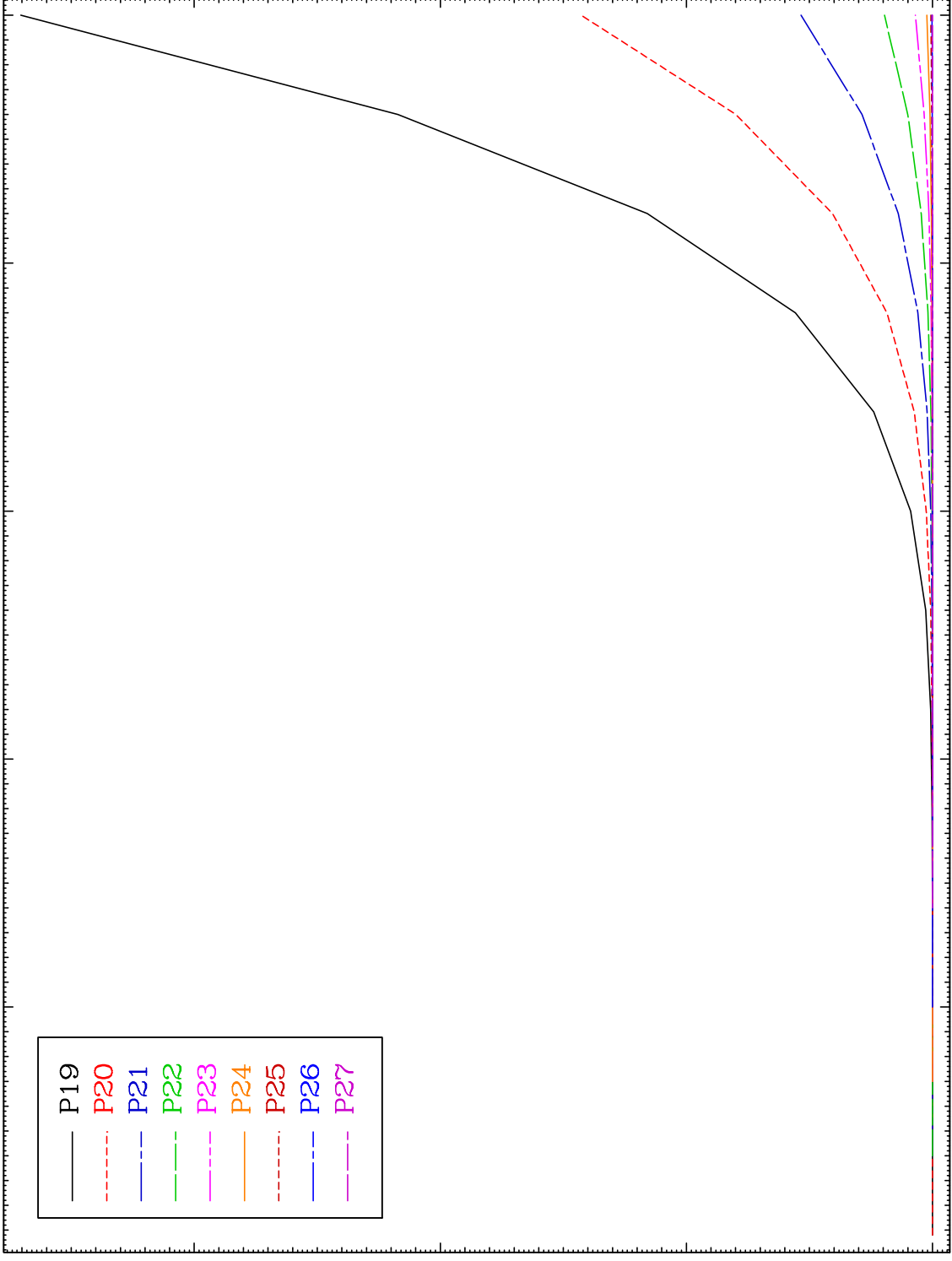
25

30

17

Incident Energy (MeV)

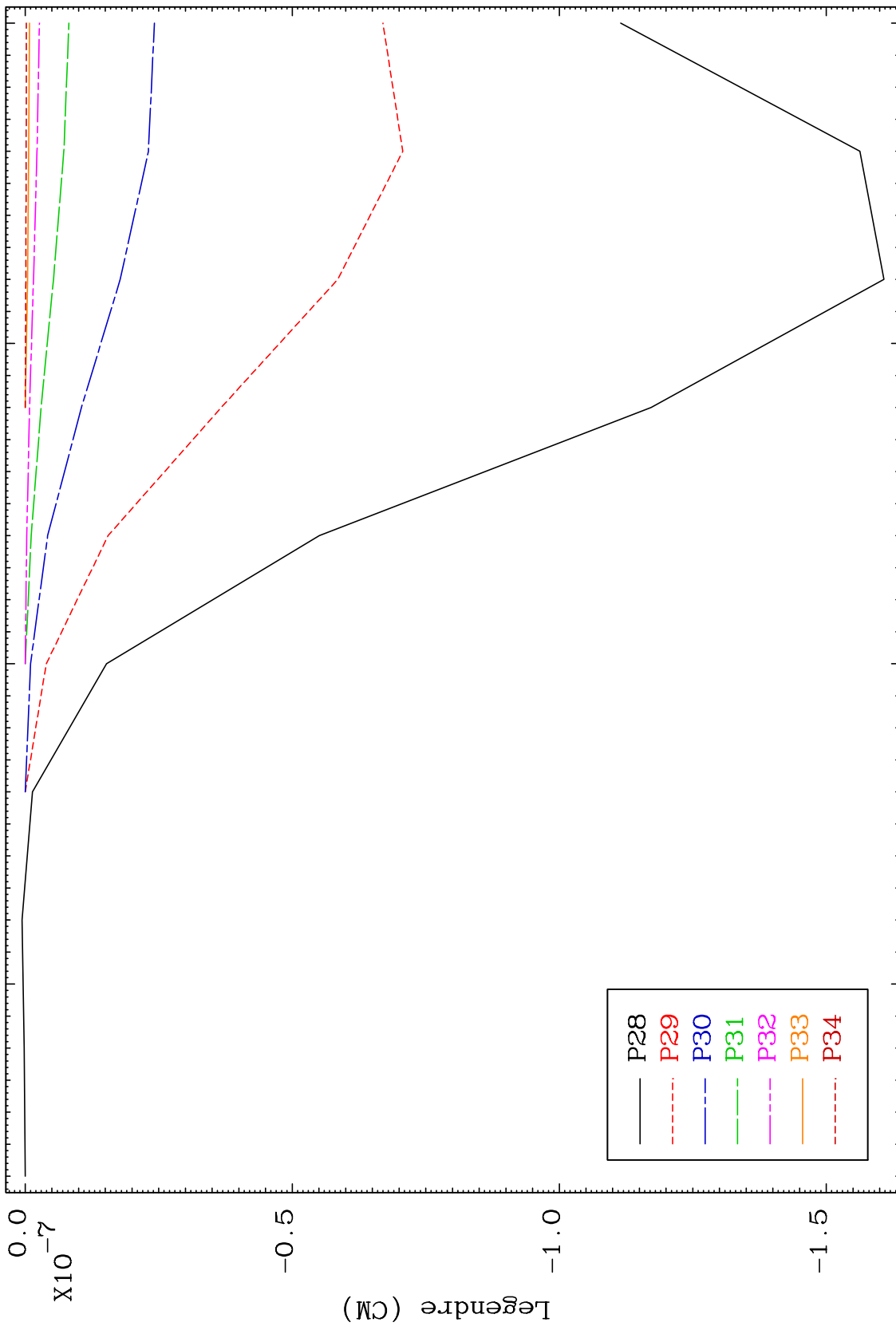
38-Sr-87



MAT 3834

38-Sr-87

Elastic Legendre Coefficients



18

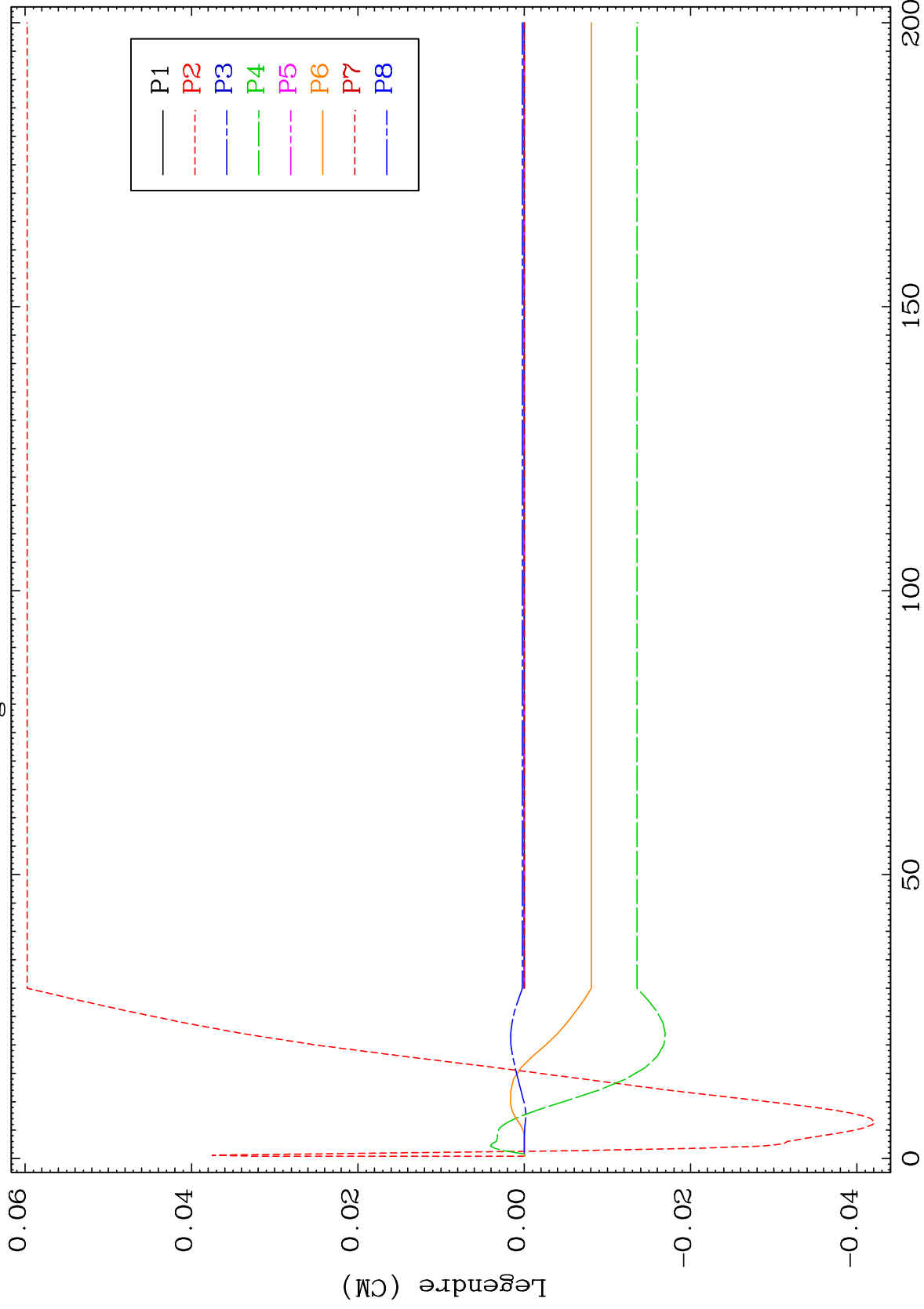
38-Sr-87

Incident Energy (MeV)

MAT 3834

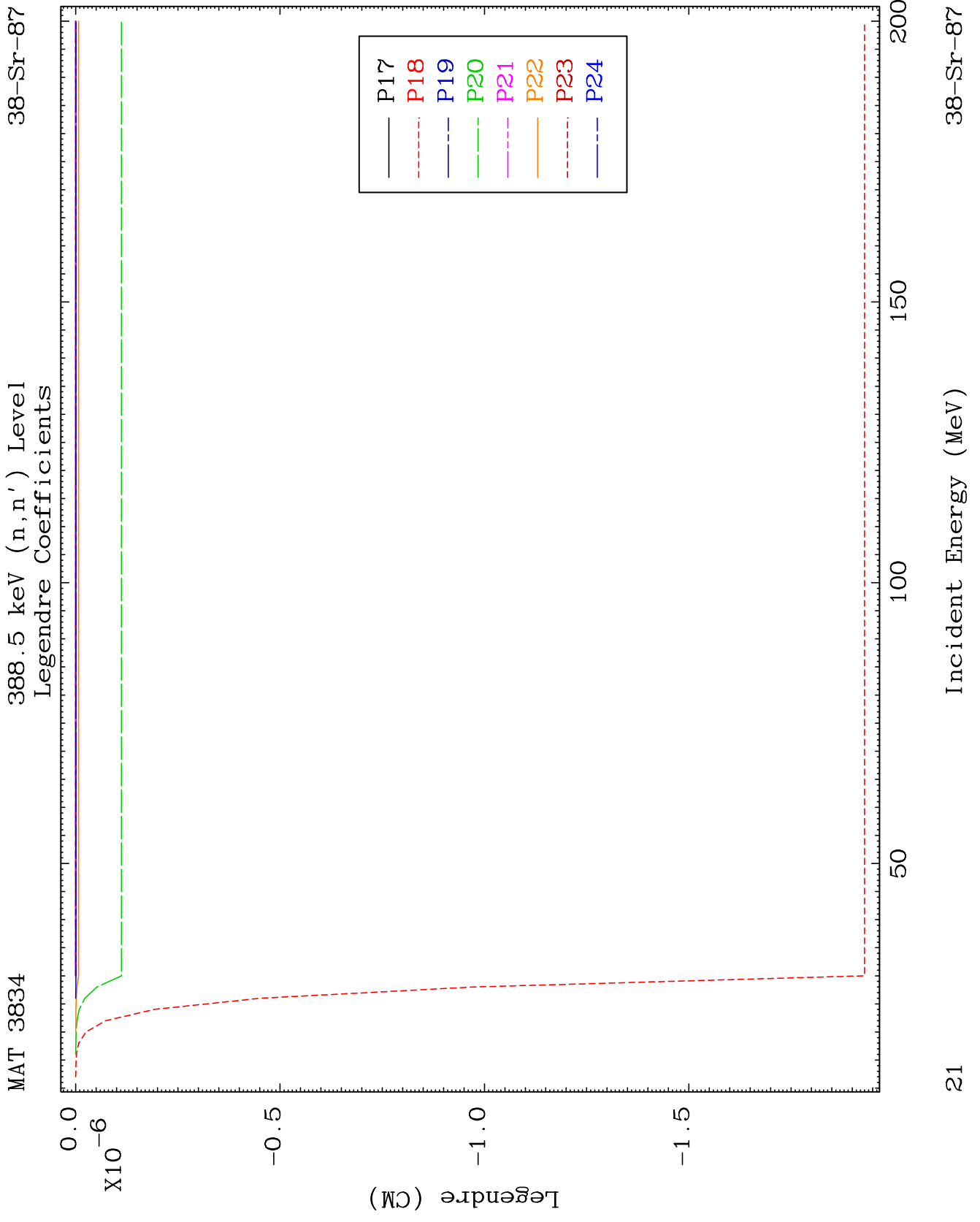
388.5 keV (n,n') Level
Legendre Coefficients

38-Sr-87



19

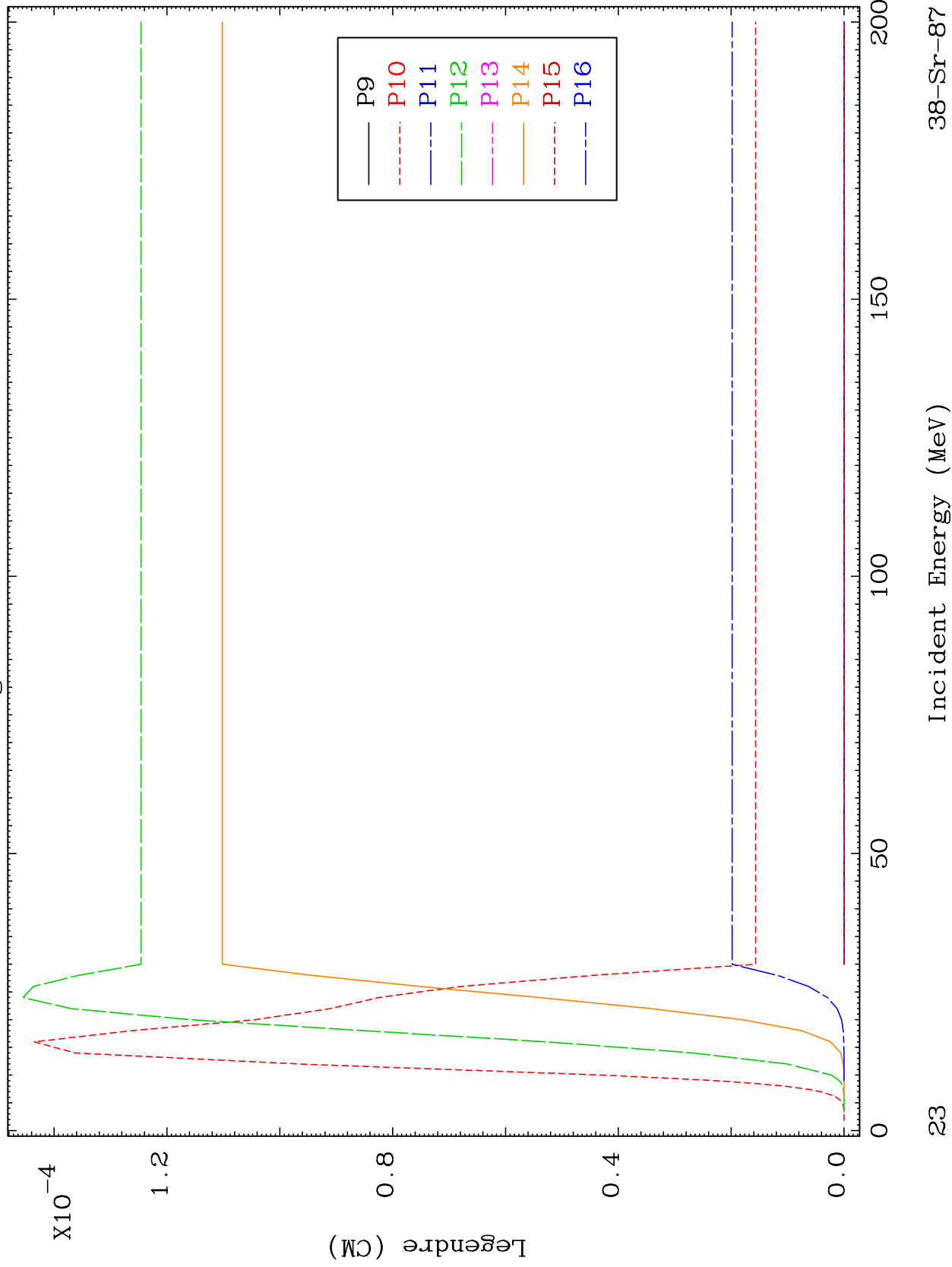
38-Sr-87



MAT 3834

873.3 keV (n,n') Level
Legendre Coefficients

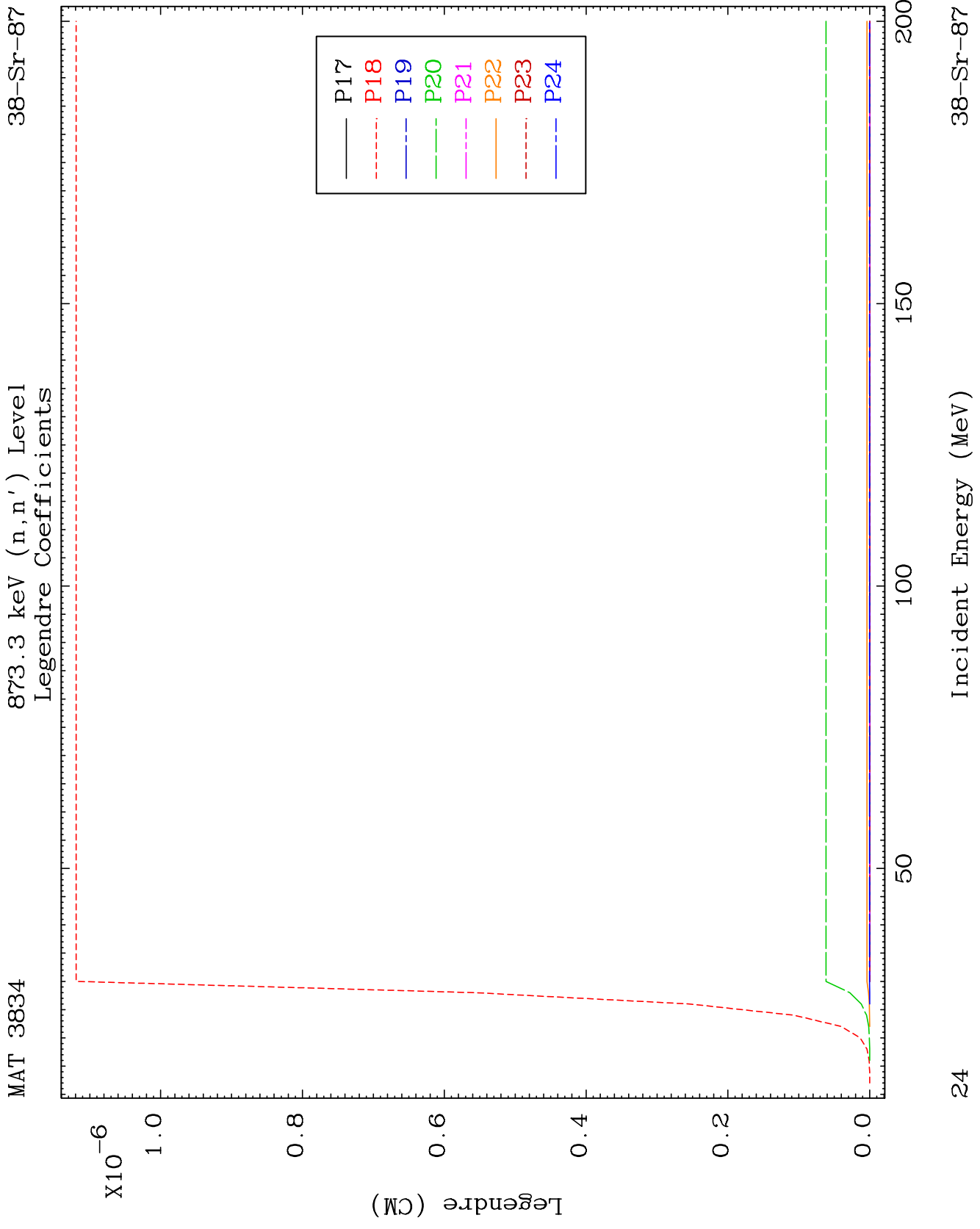
38-Sr-87

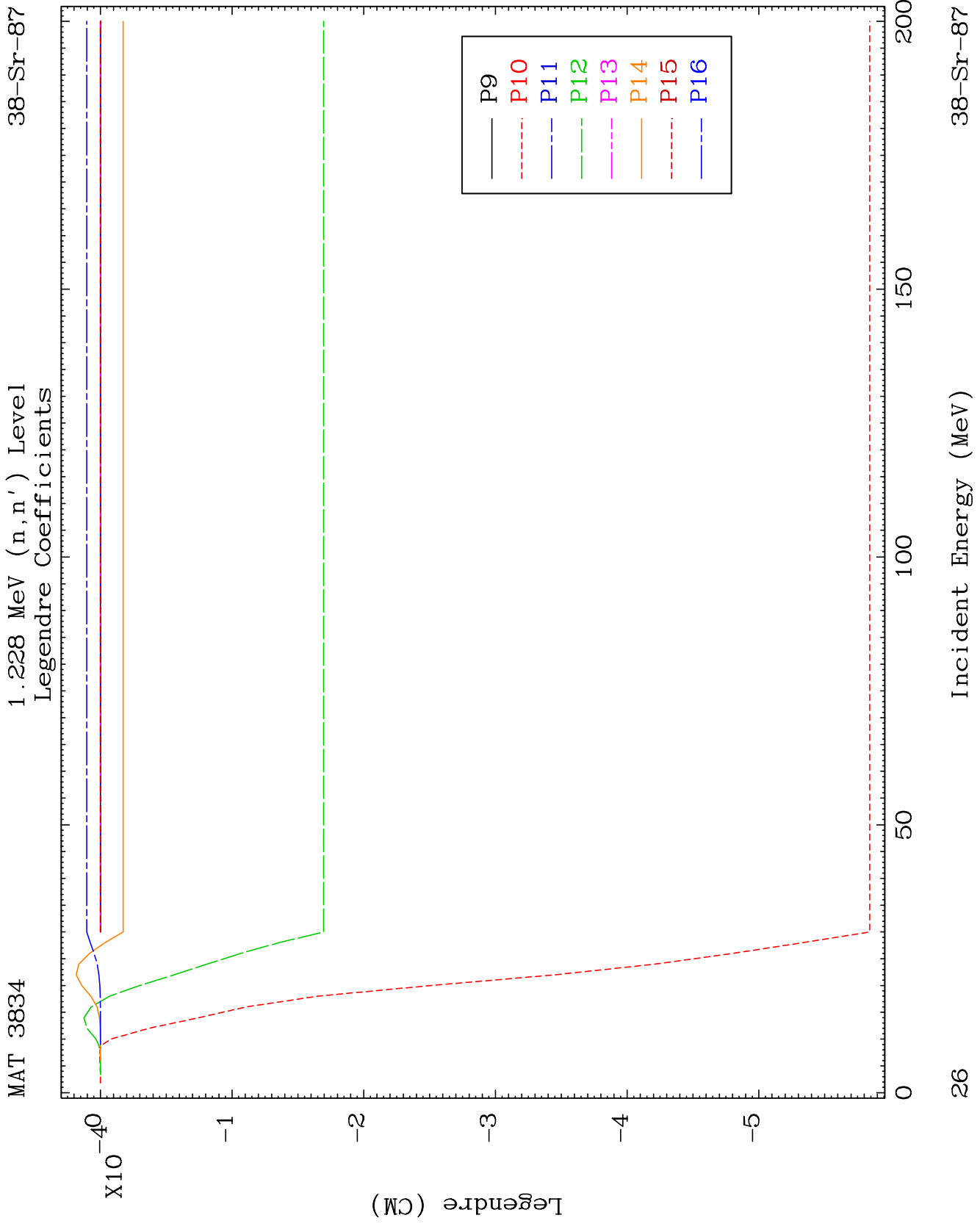


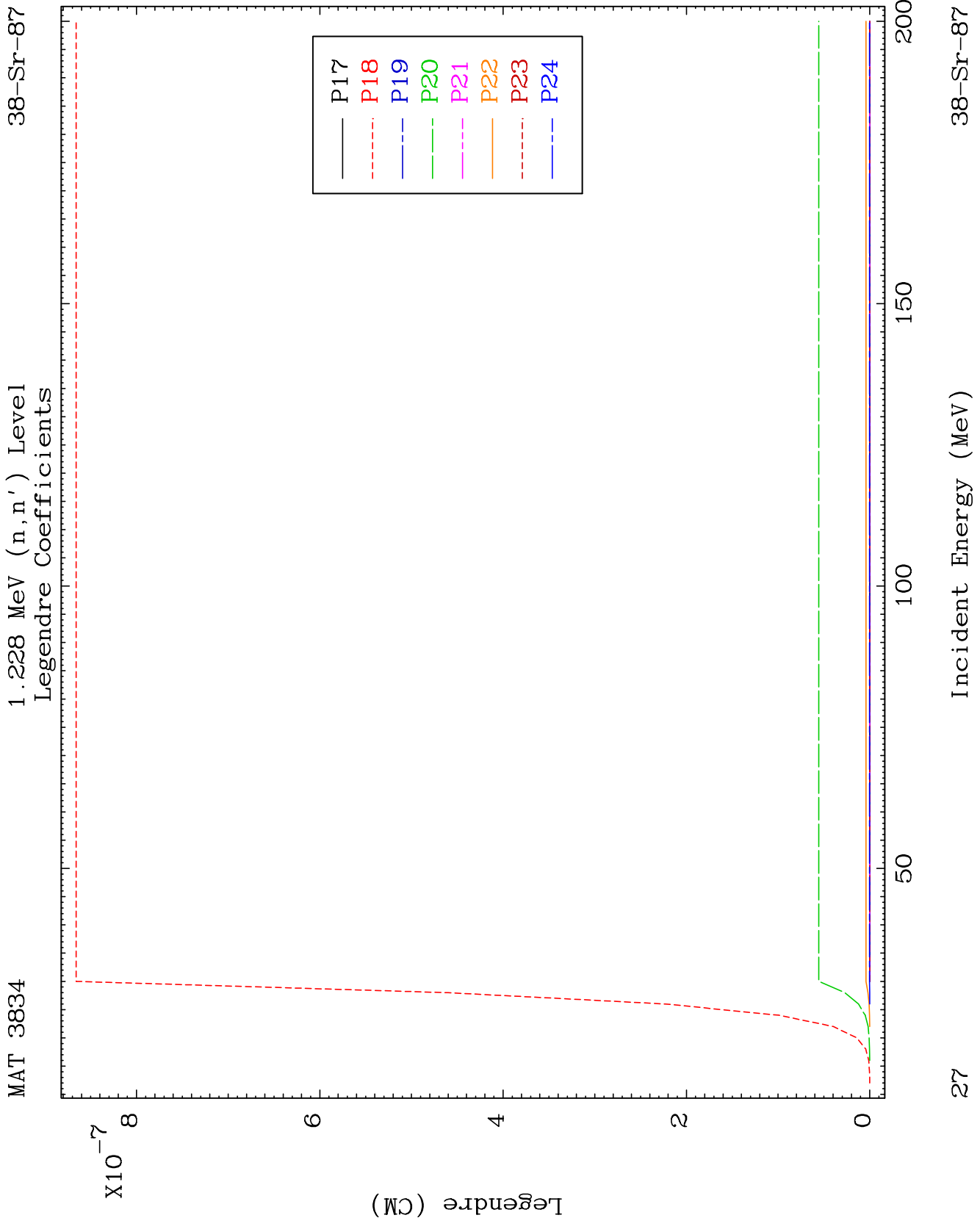
38-Sr-87

Incident Energy (MeV)

23



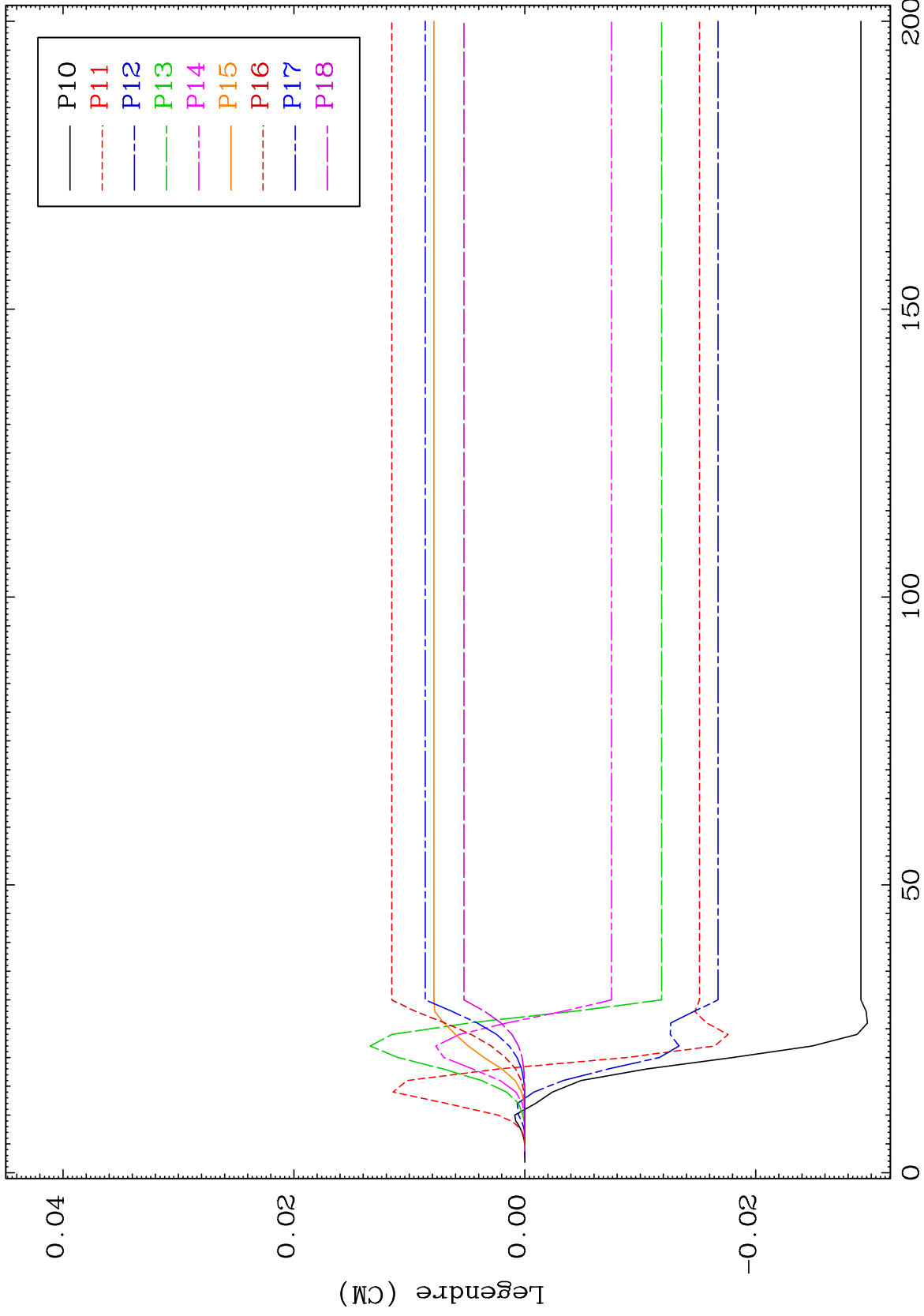




MAT 3834

1.254 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



29

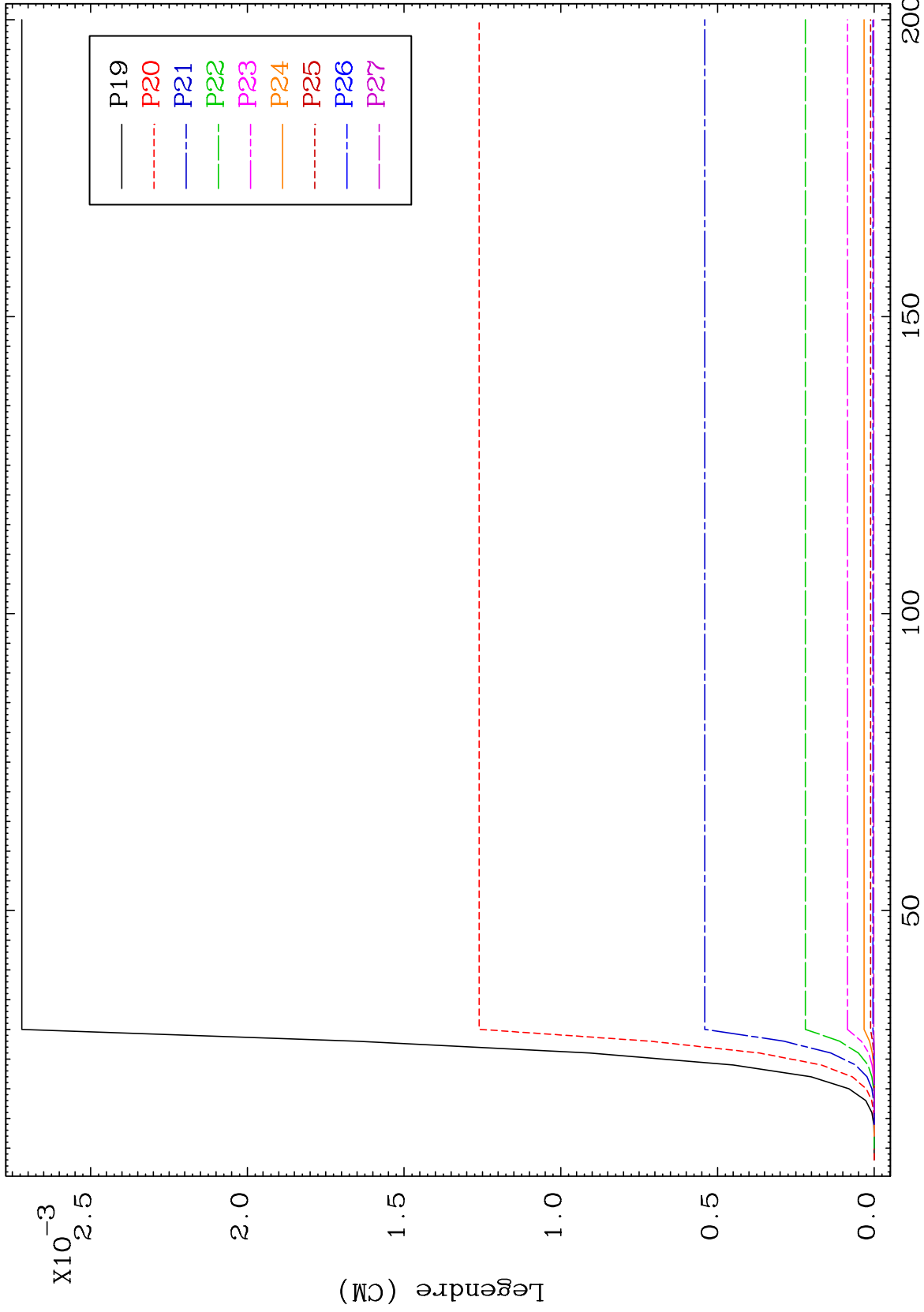
Incident Energy (MeV)

38-Sr-87

MAT 3834

1.254 MeV (n,n') Level
Legendre Coefficients

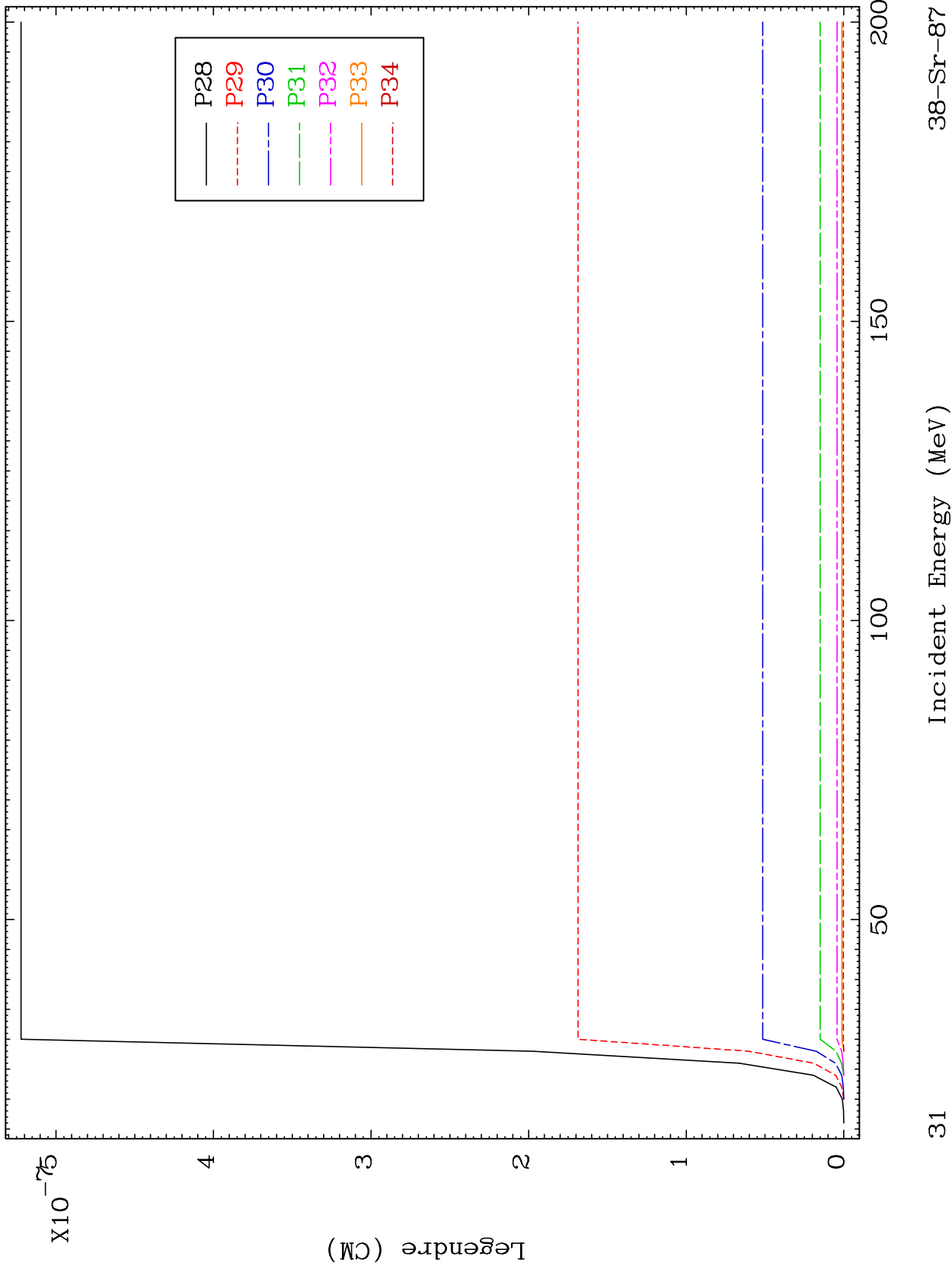
38-Sr-87

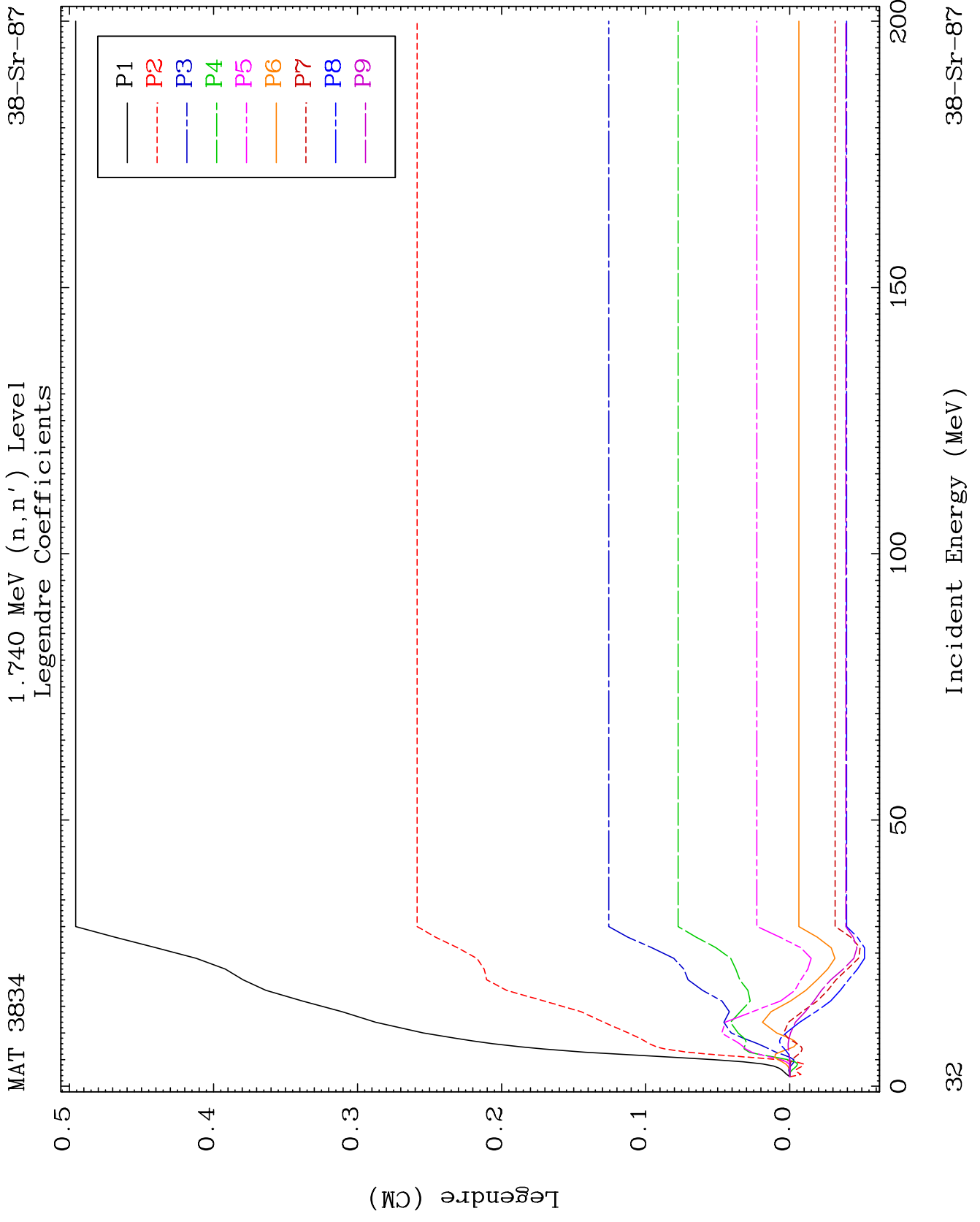


30

Incident Energy (MeV)

38-Sr-87

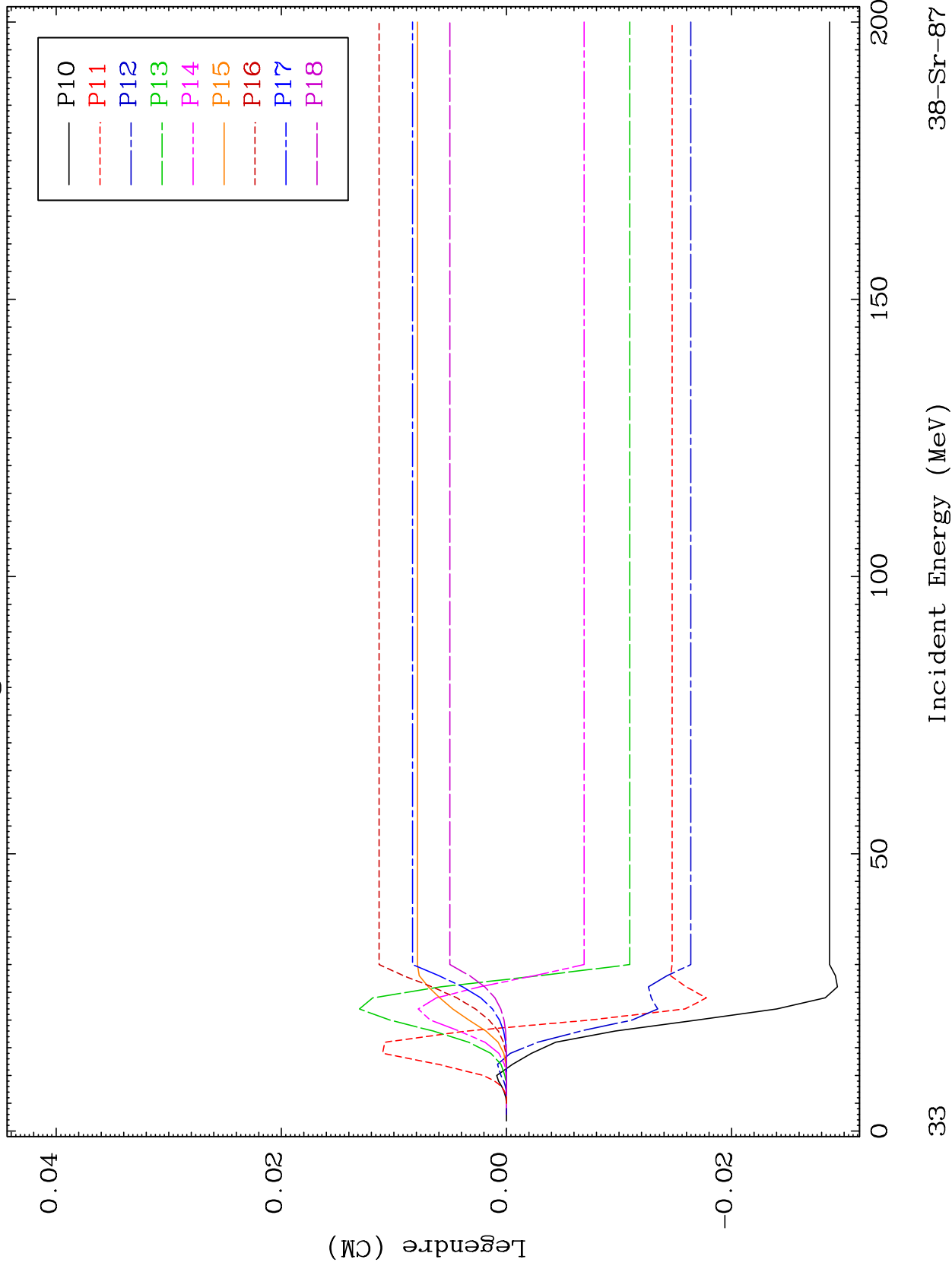




MAT 3834

1.740 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



33

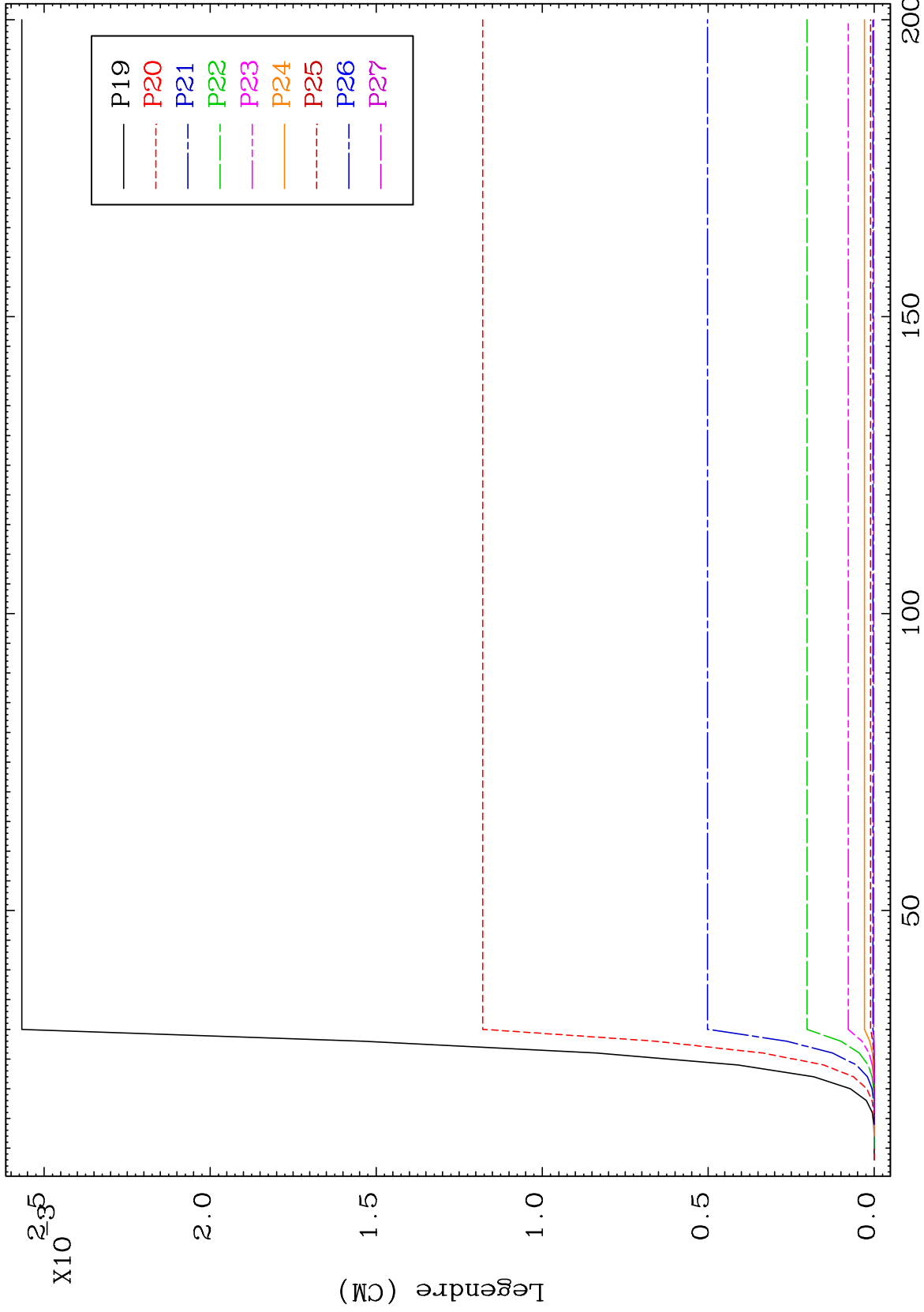
Incident Energy (MeV)

38-Sr-87

MAT 3834

1.740 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



34

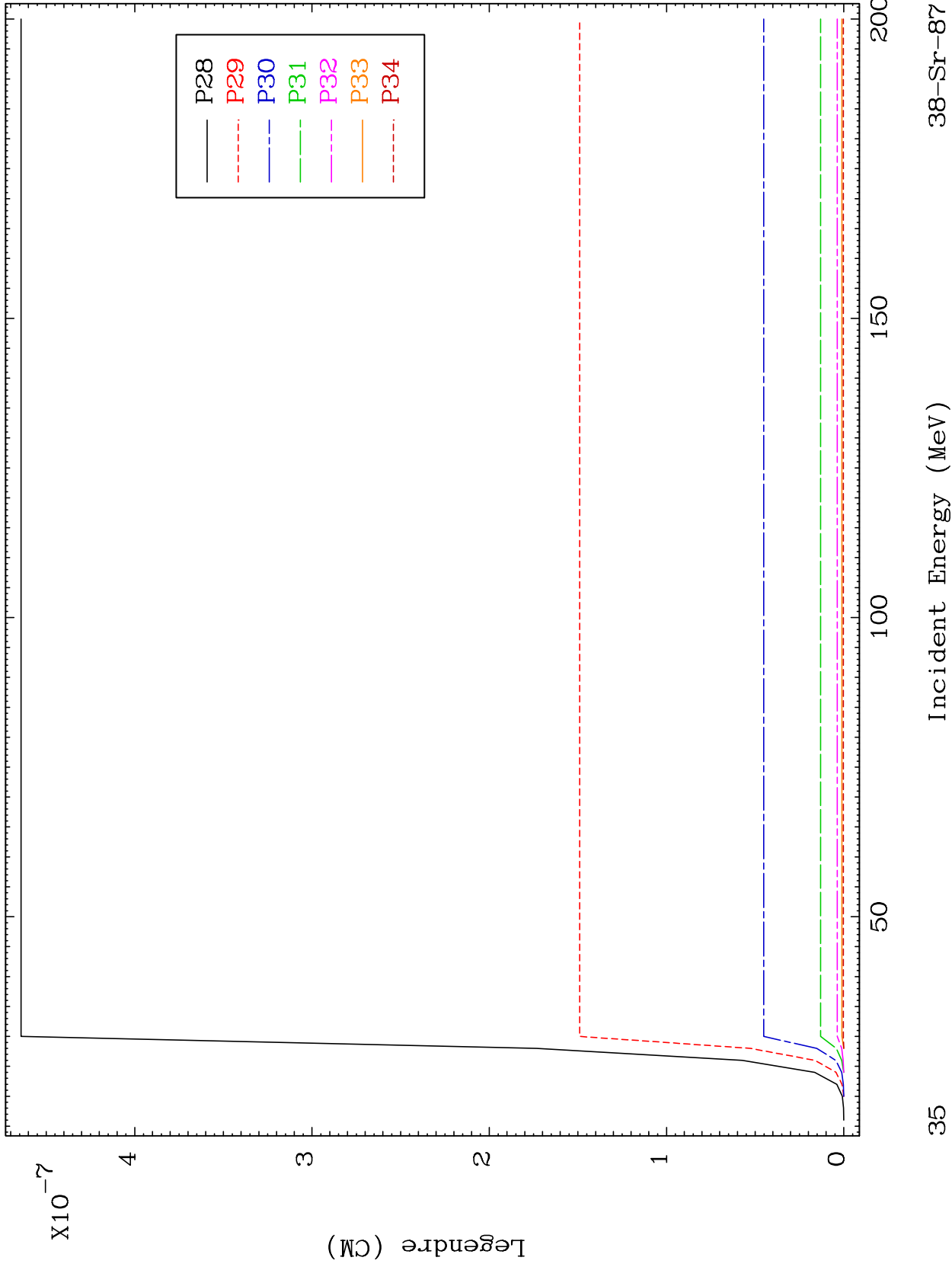
Incident Energy (MeV)

38-Sr-87

MAT 3834

1.740 MeV (n,n') Level
Legendre Coefficients

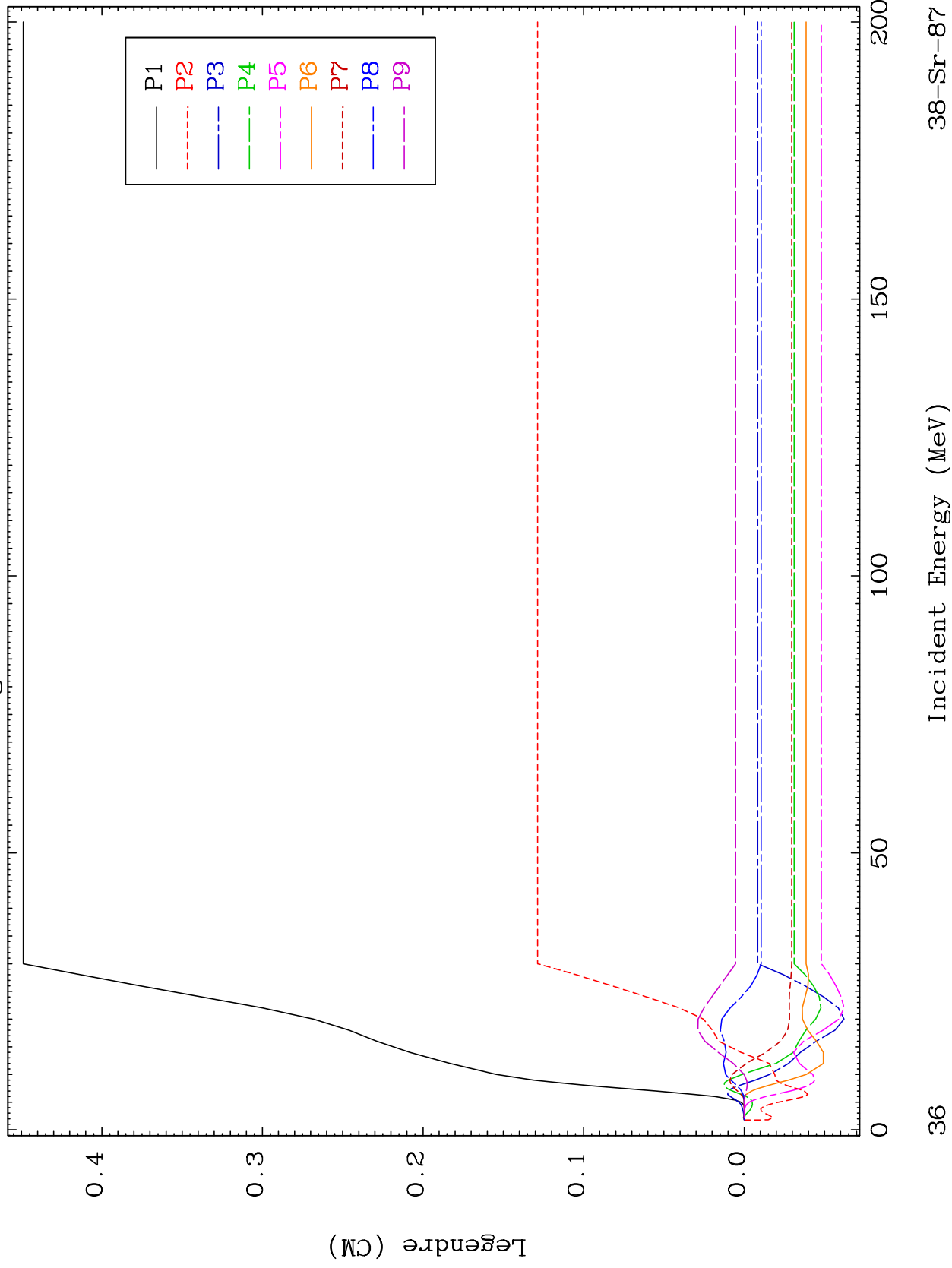
38-Sr-87



MAT 3834

1.742 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



38-Sr-87

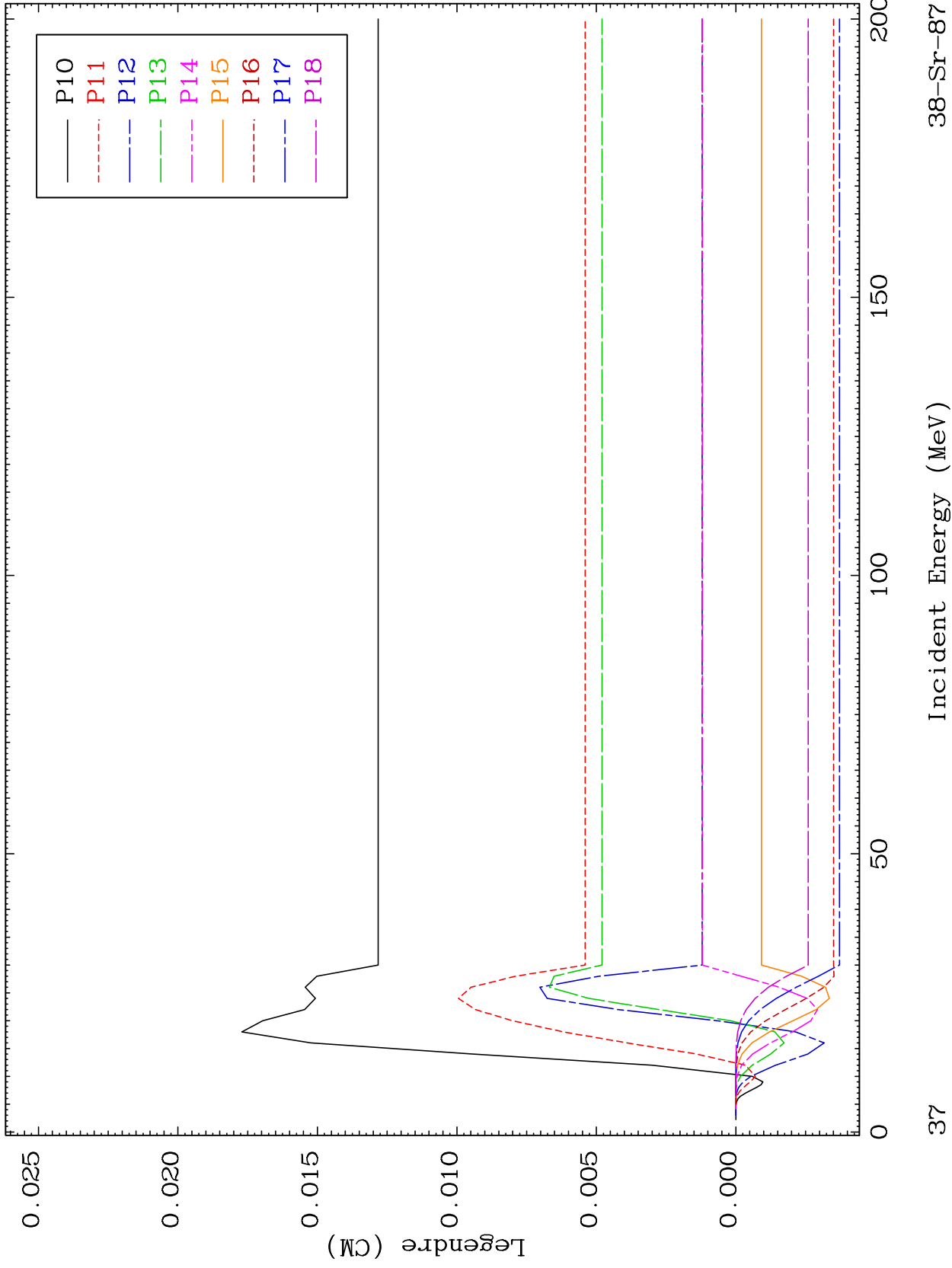
Incident Energy (MeV)

36

MAT 3834

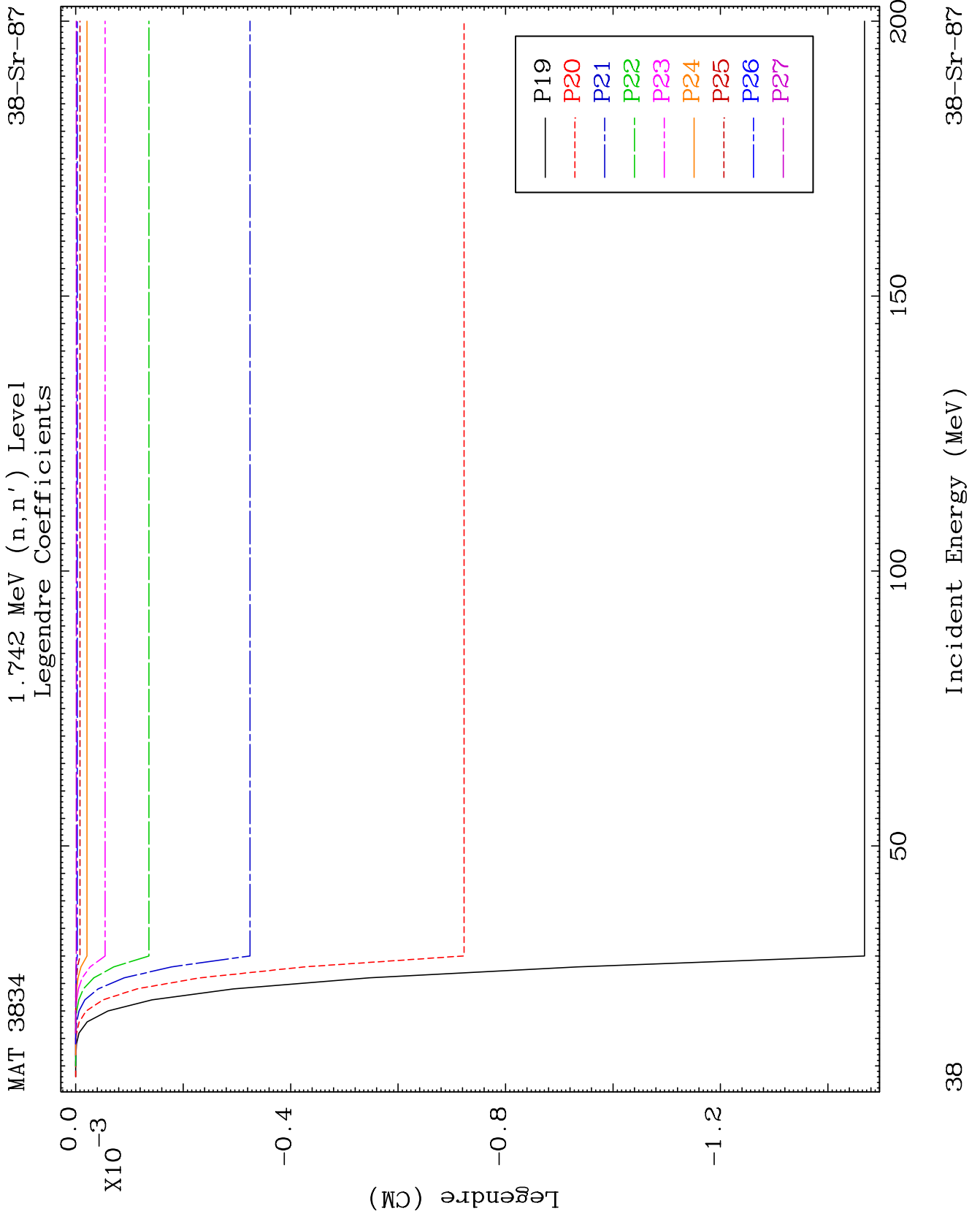
1.742 MeV (n,n') Level
Legendre Coefficients

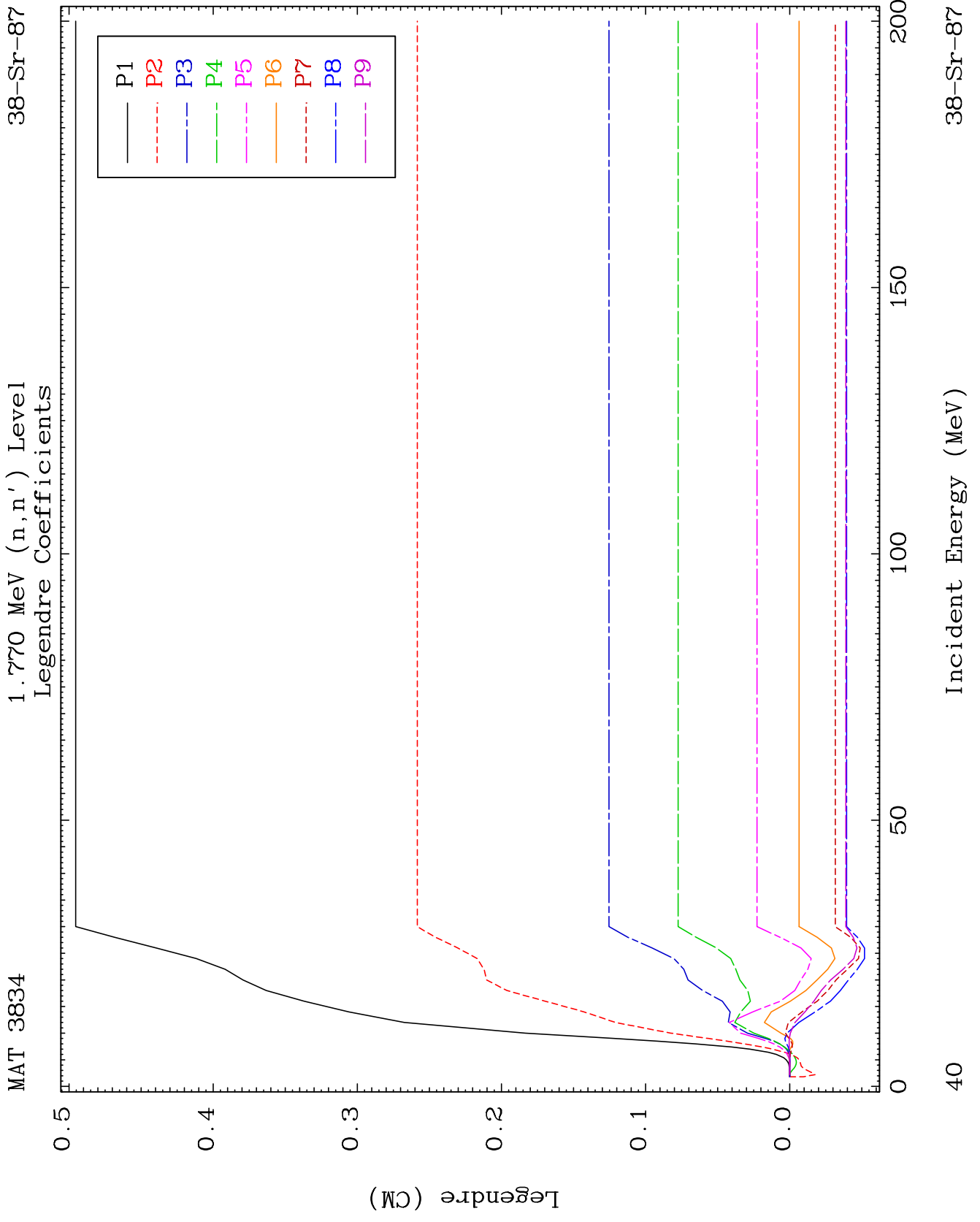
38-Sr-87



37

38-Sr-87

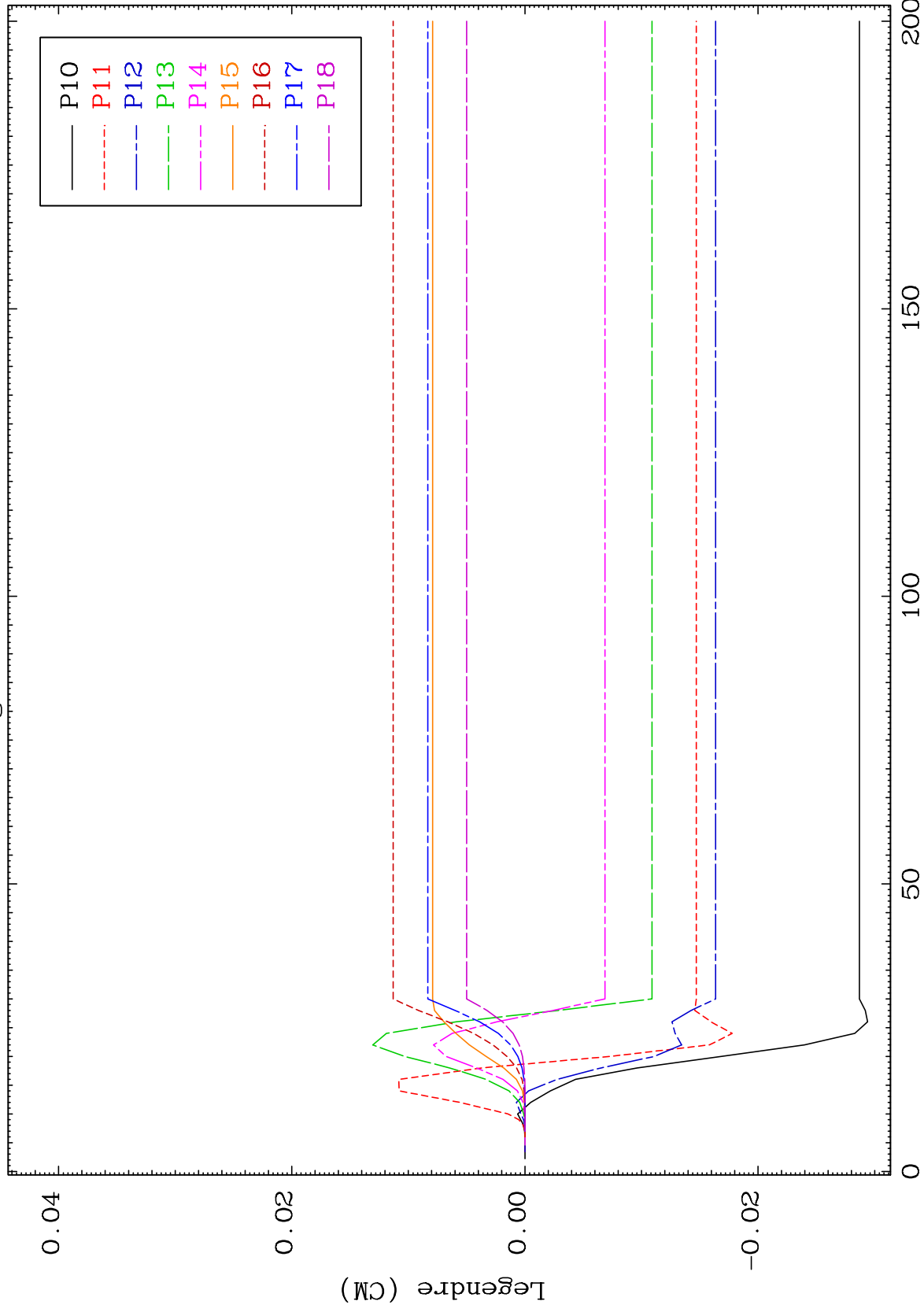




MAT 3834

1.770 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



41

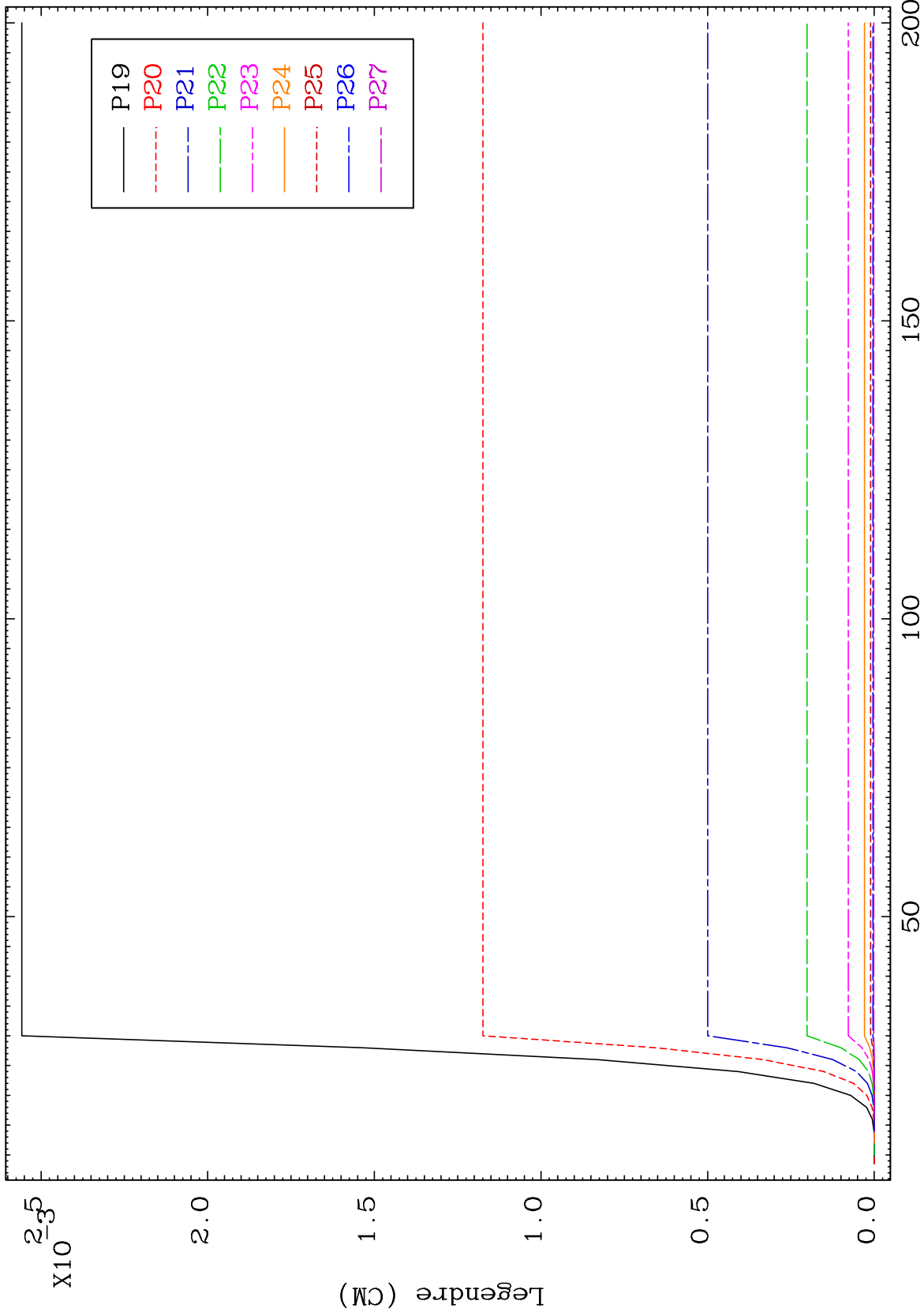
Incident Energy (MeV)

38-Sr-87

MAT 3834

1.770 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



42

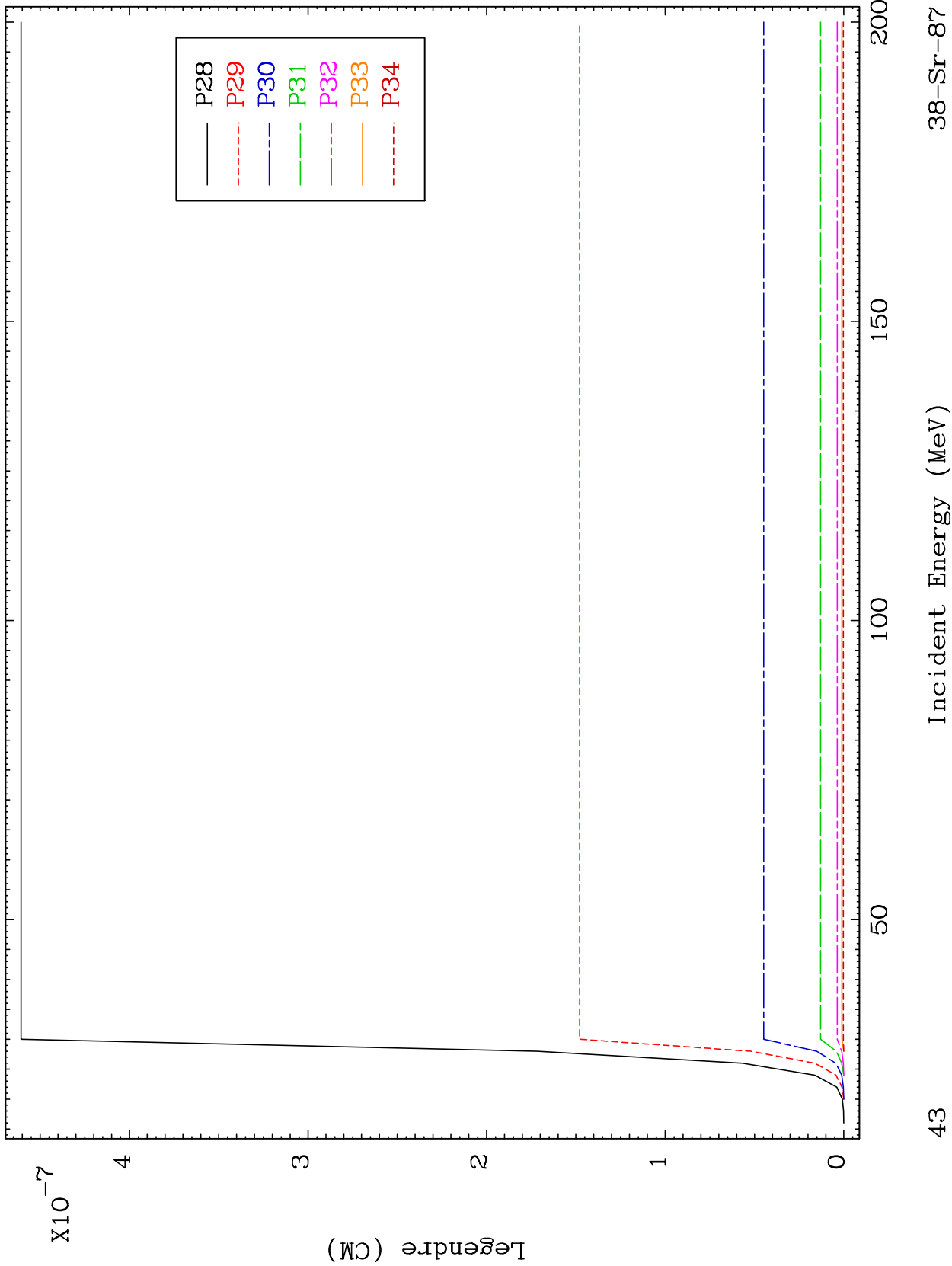
Incident Energy (MeV)

38-Sr-87

MAT 3834

1.770 MeV (n,n') Level
Legendre Coefficients

38-Sr-87

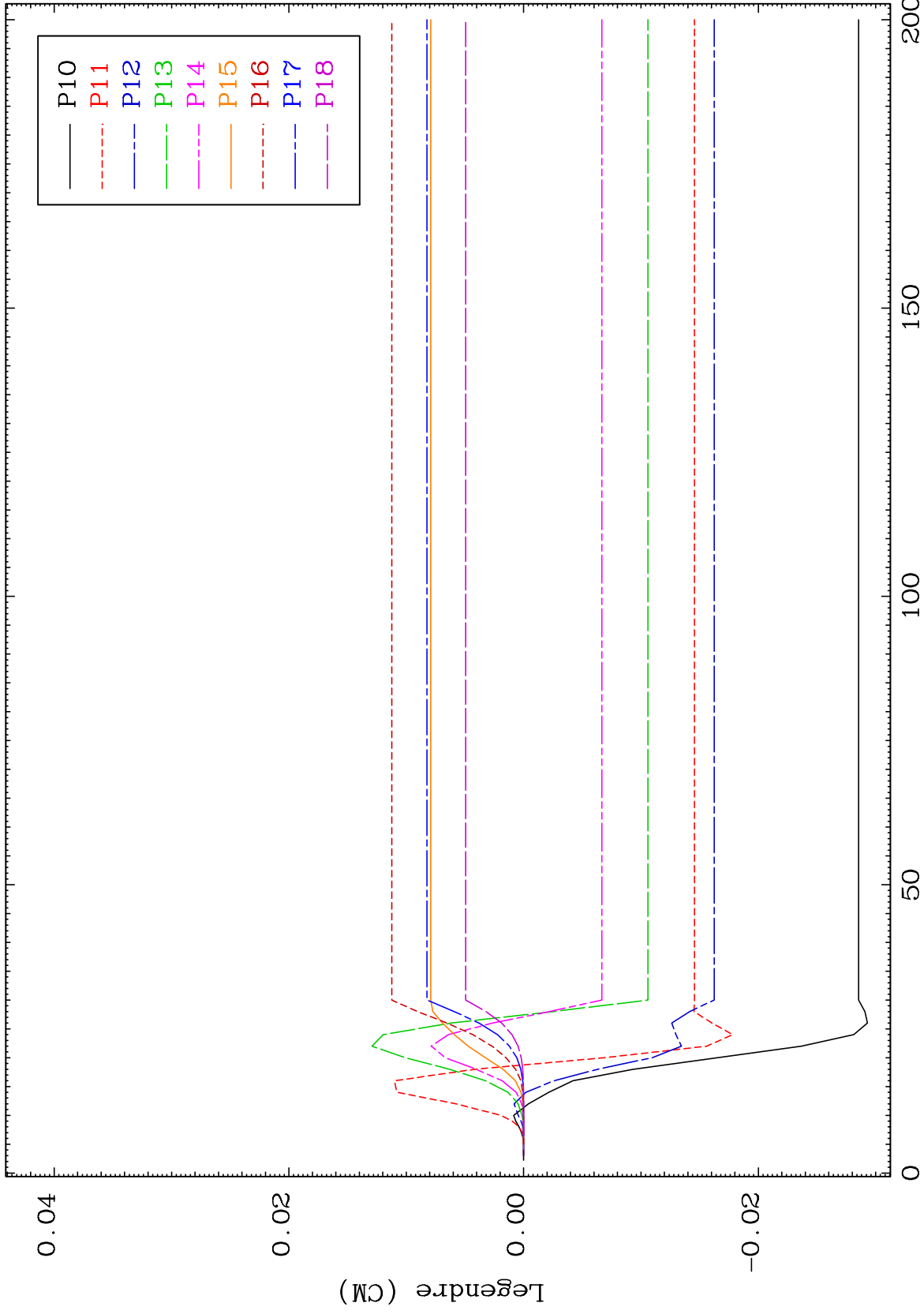


43

MAT 3834

1.920 MeV (n,n') Level
Legendre Coefficients

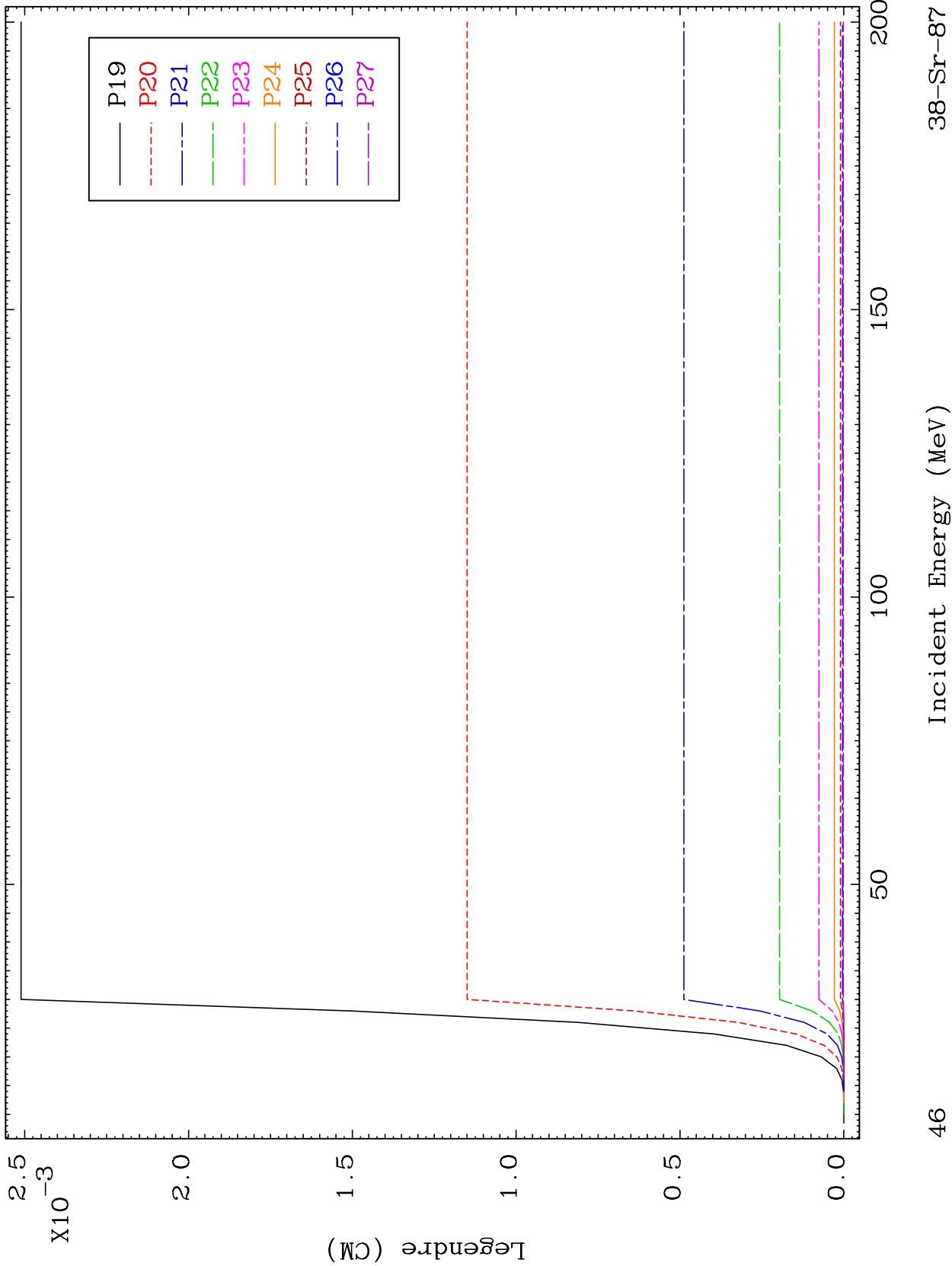
38-Sr-87



45

Incident Energy (MeV)

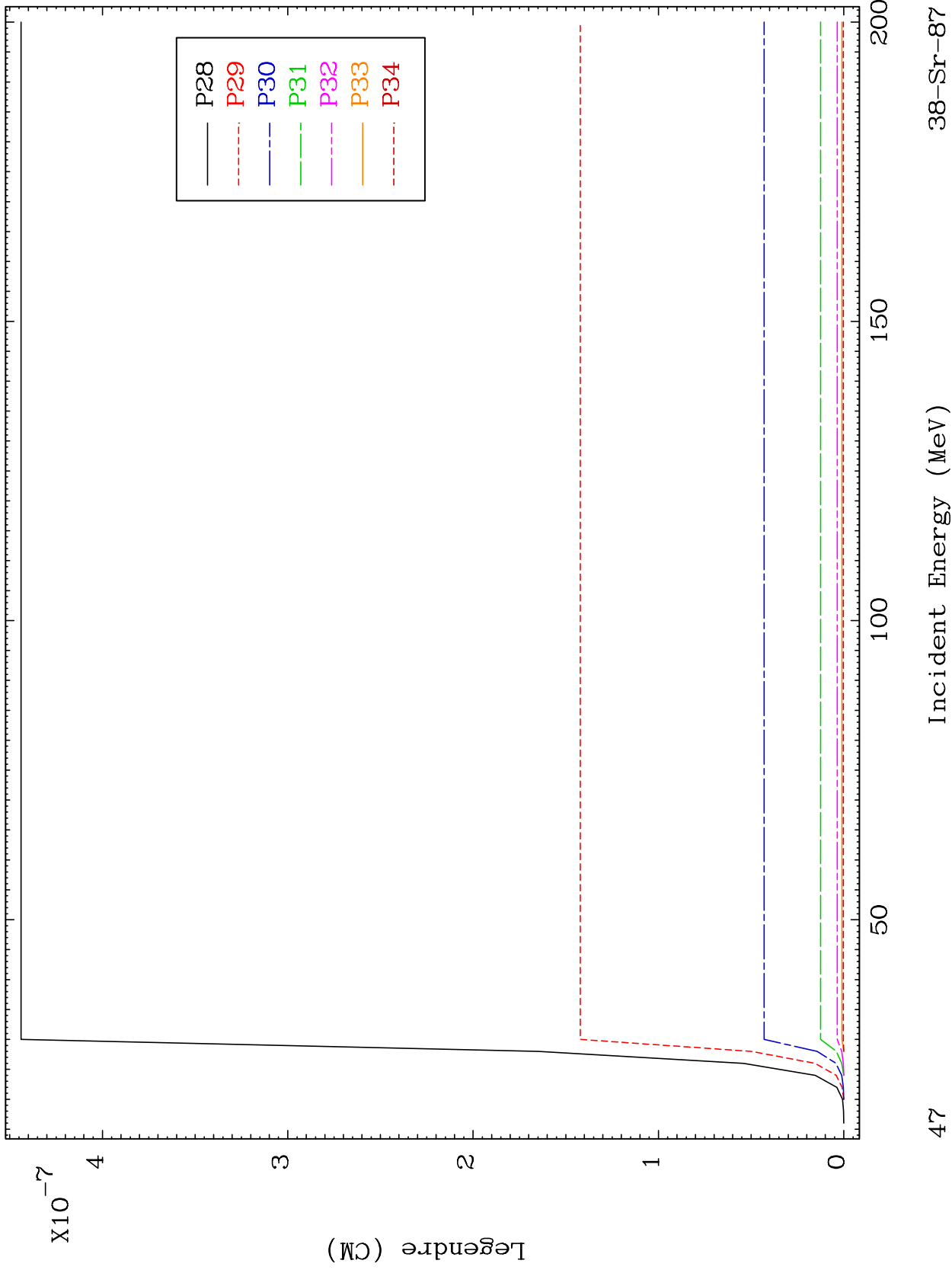
38-Sr-87

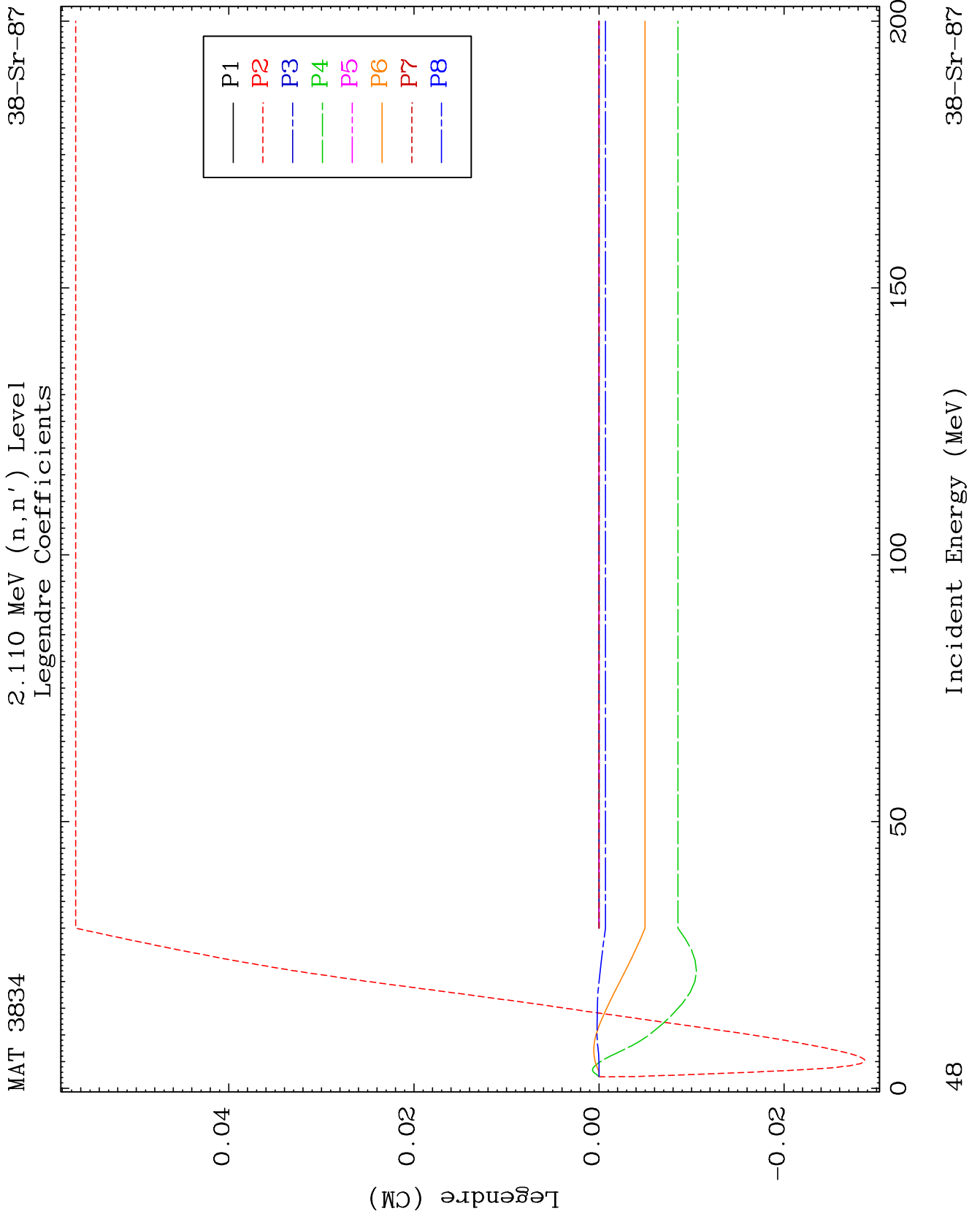


MAT 3834

1.920 MeV (n,n') Level
Legendre Coefficients

38-Sr-87

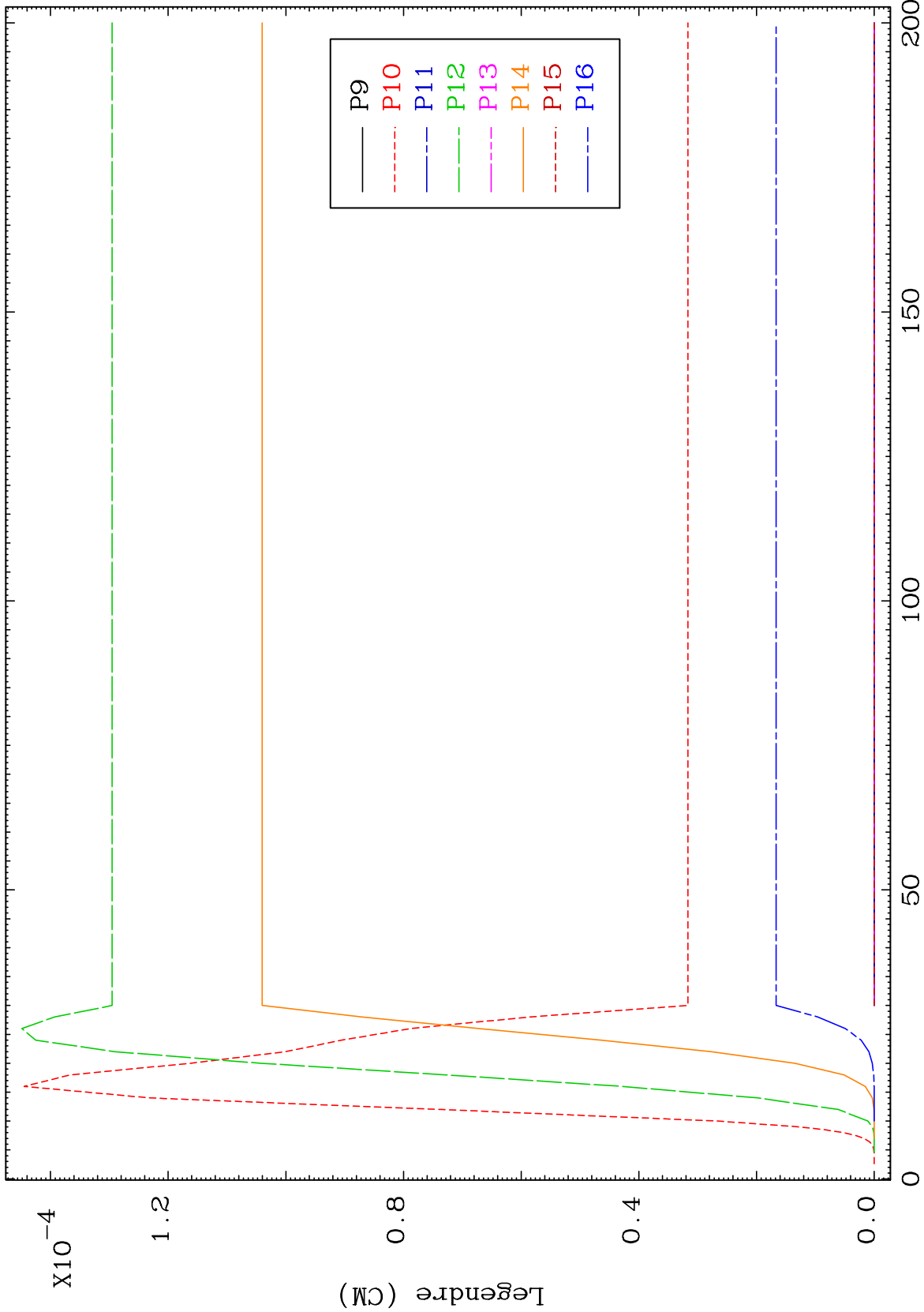




MAT 3834

2.110 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



49

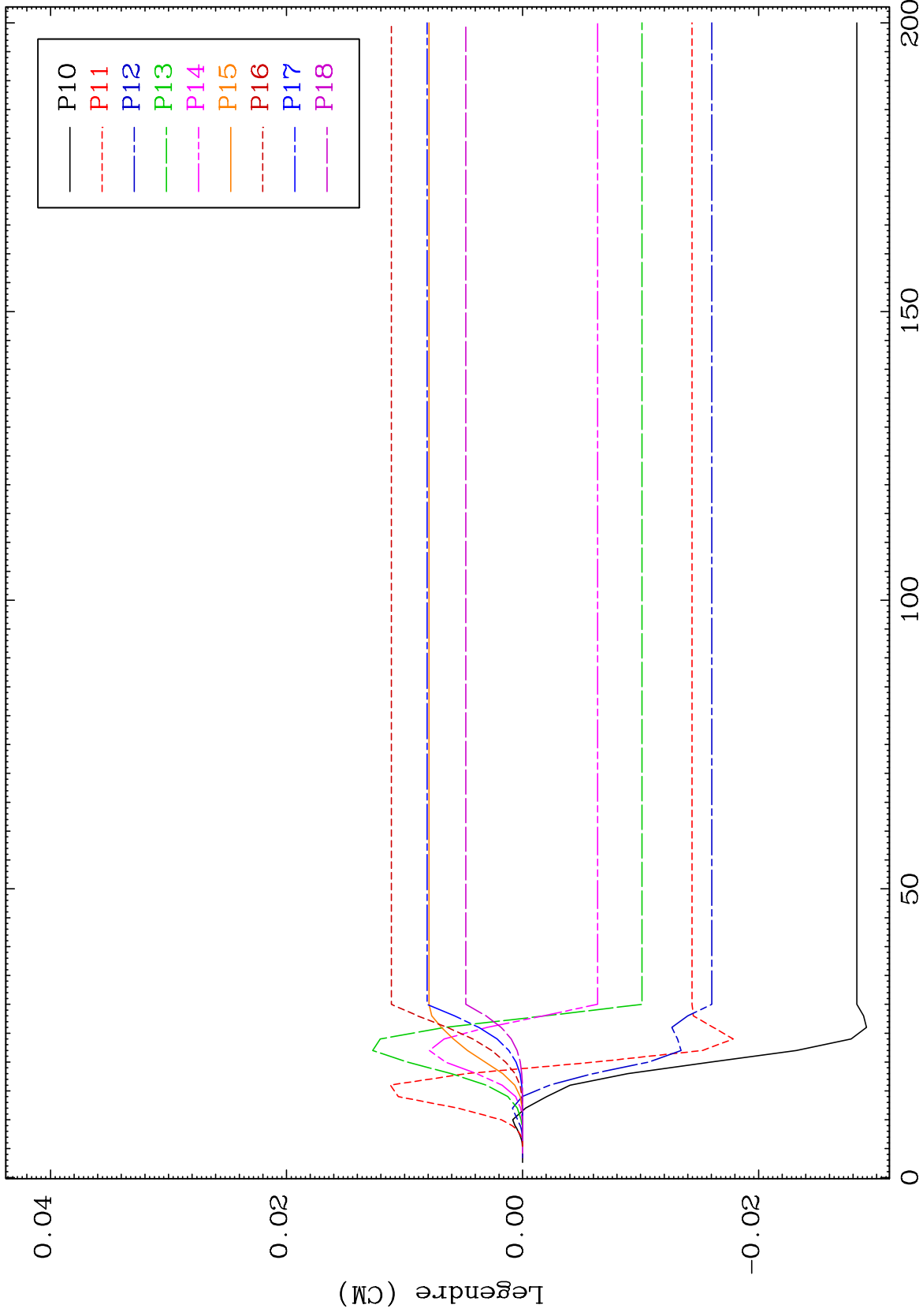
Incident Energy (MeV)

38-Sr-87

MAT 3834

2.153 MeV (n,n') Level
Legendre Coefficients

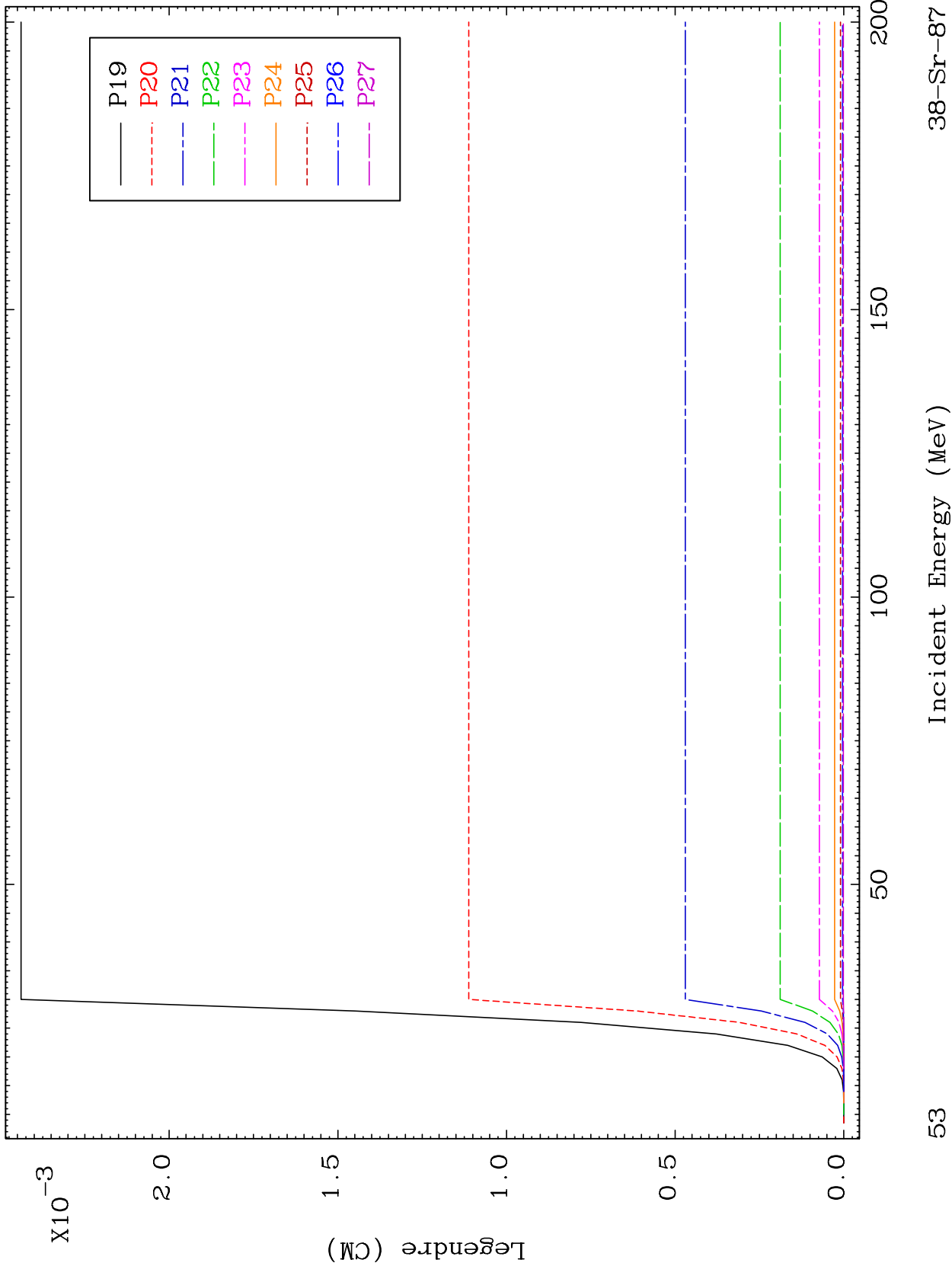
38-Sr-87



52

Incident Energy (MeV)

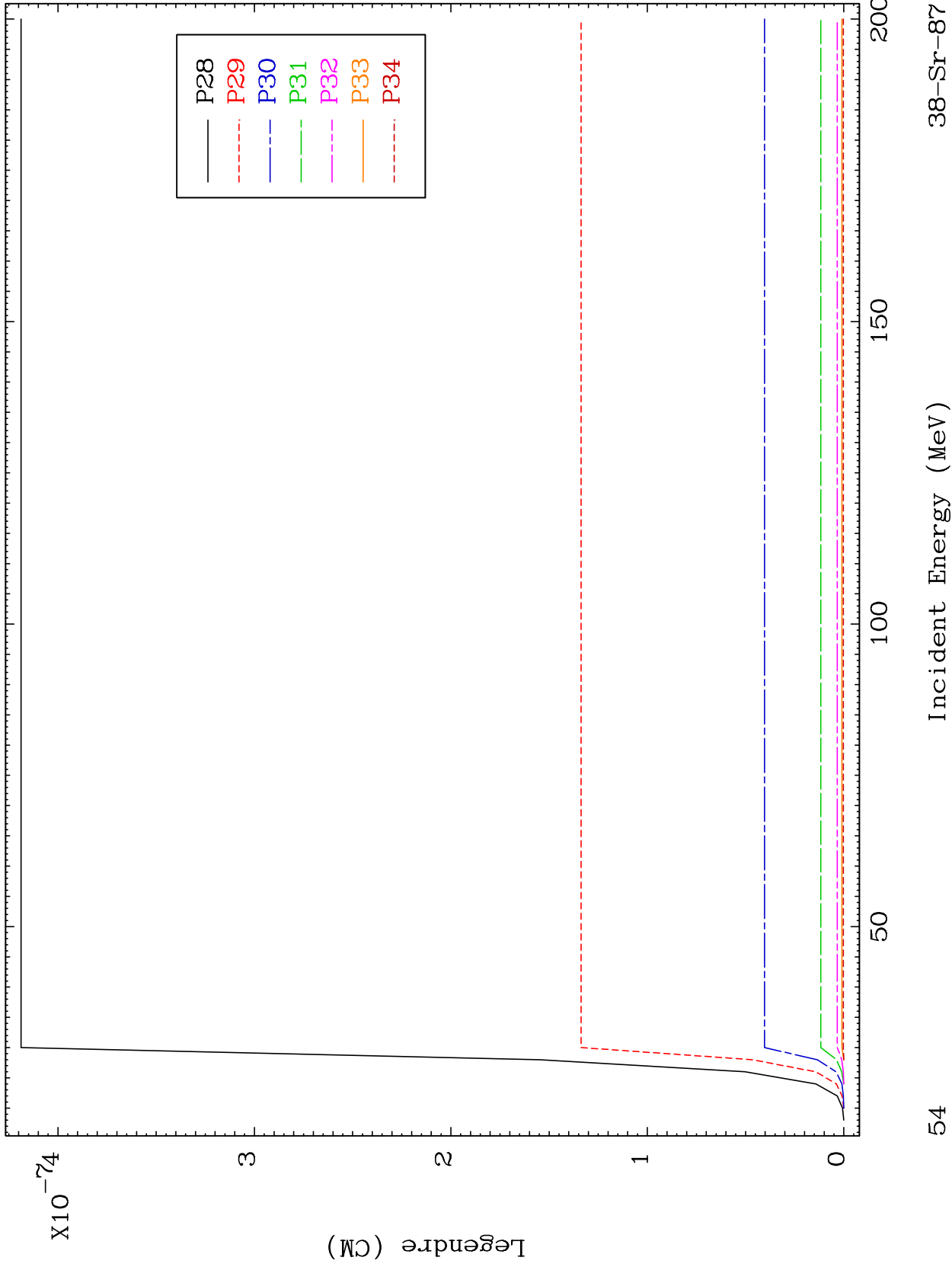
38-Sr-87



MAT 3834

2.153 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



54

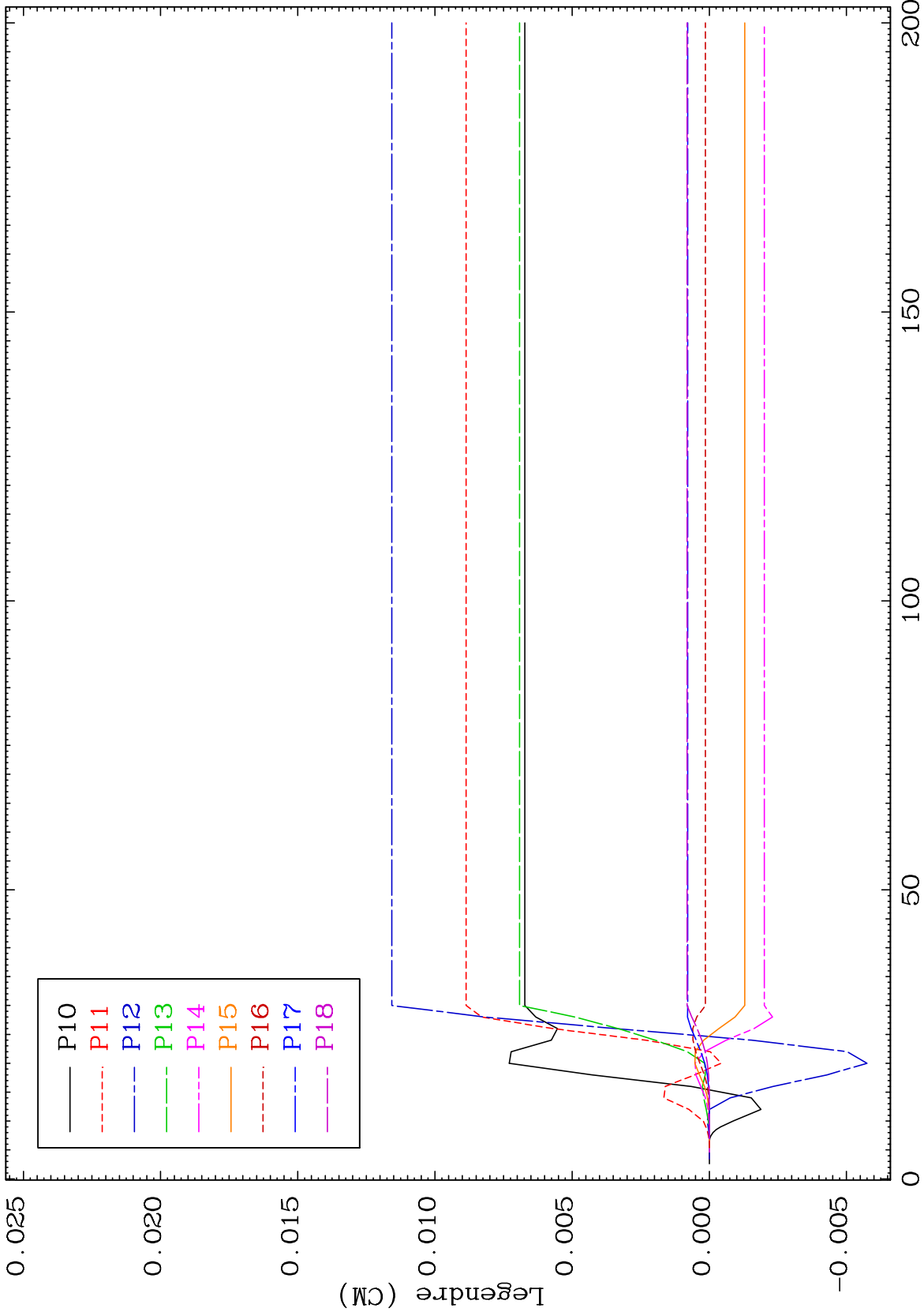
Incident Energy (MeV)

38-Sr-87

MAT 3834

2.169 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



56

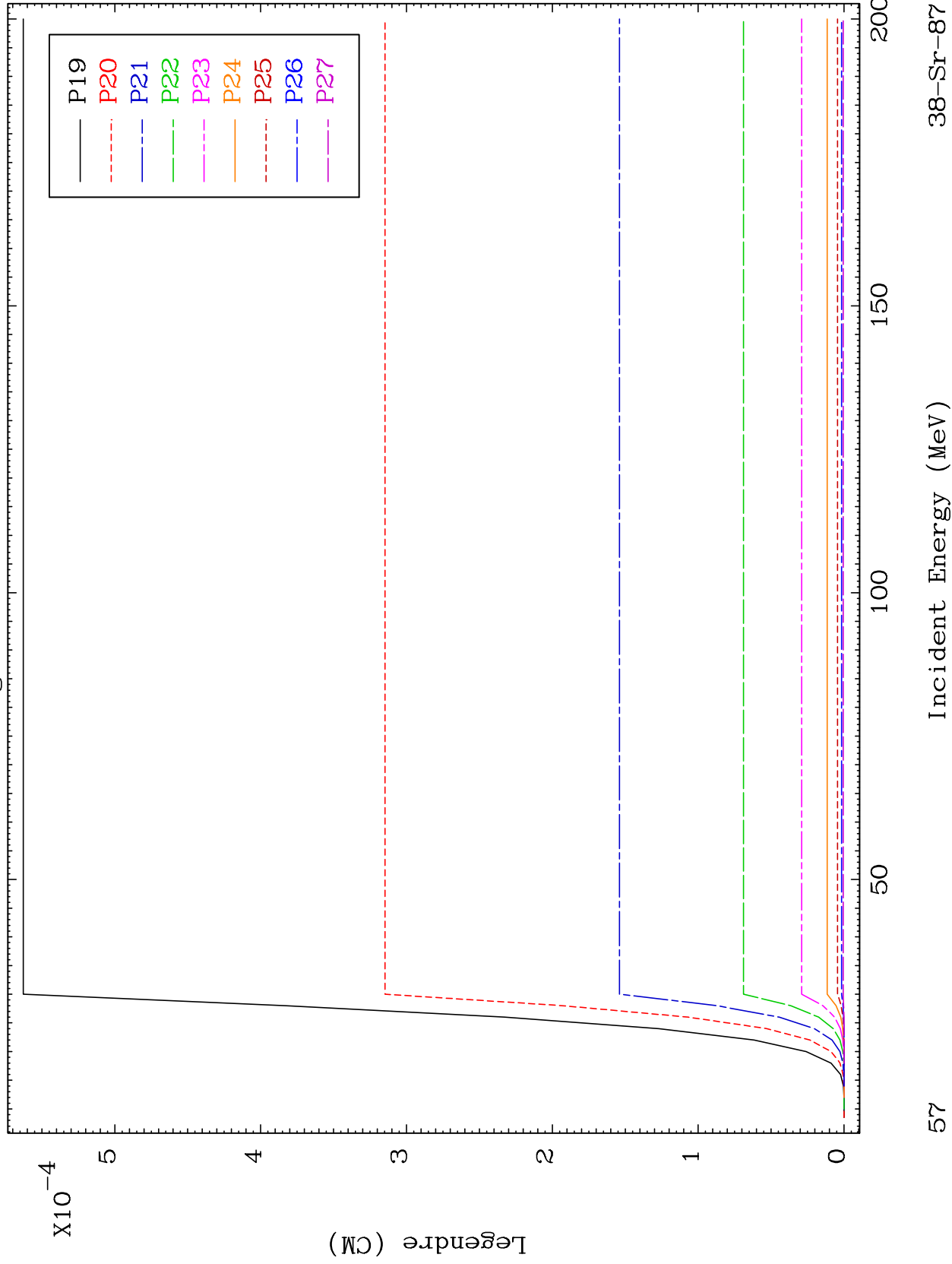
Incident Energy (MeV)

38-Sr-87

MAT 3834

2.169 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



57

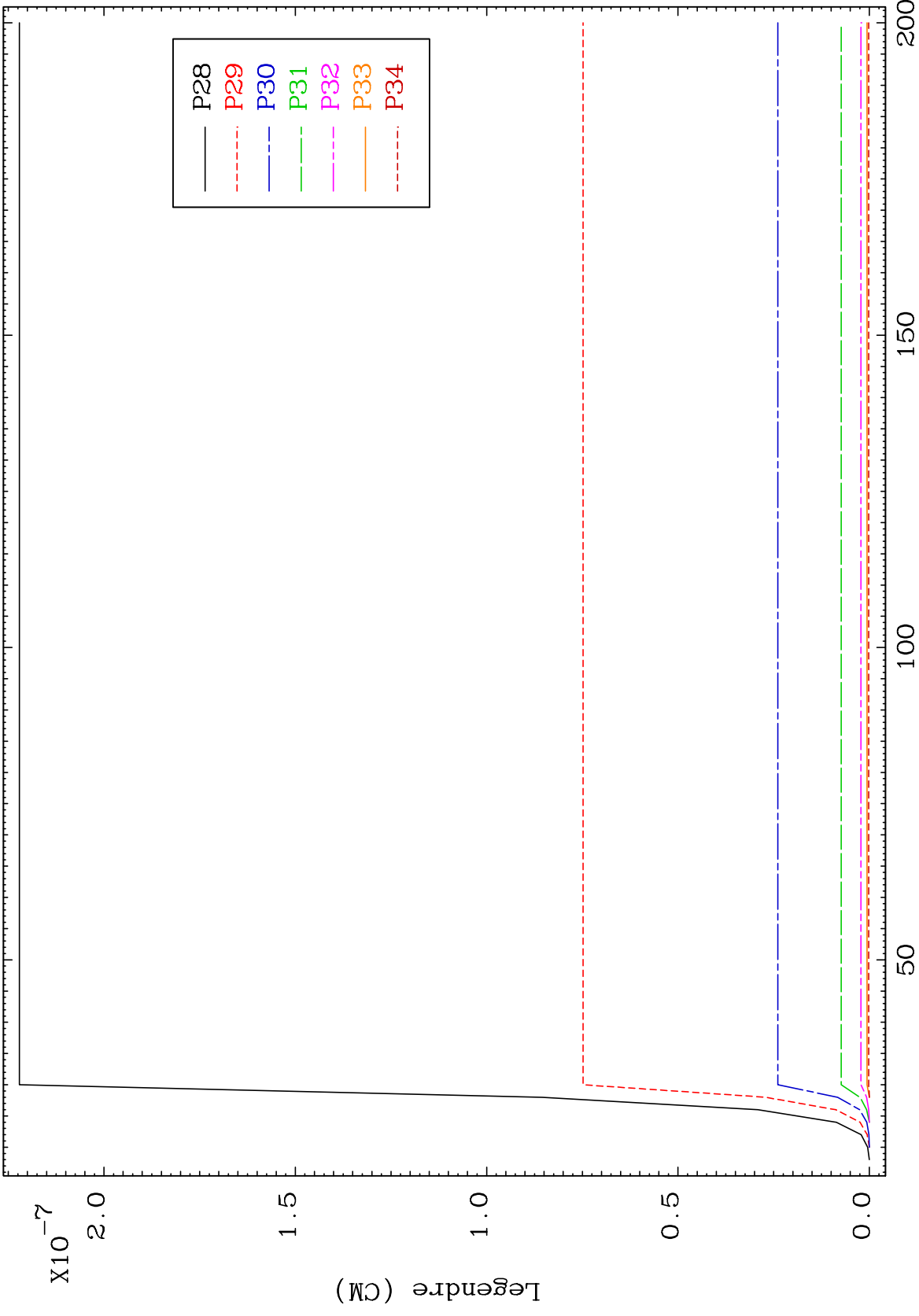
Incident Energy (MeV)

38-Sr-87

MAT 3834

2.169 MeV (n, n') Level
Legendre Coefficients

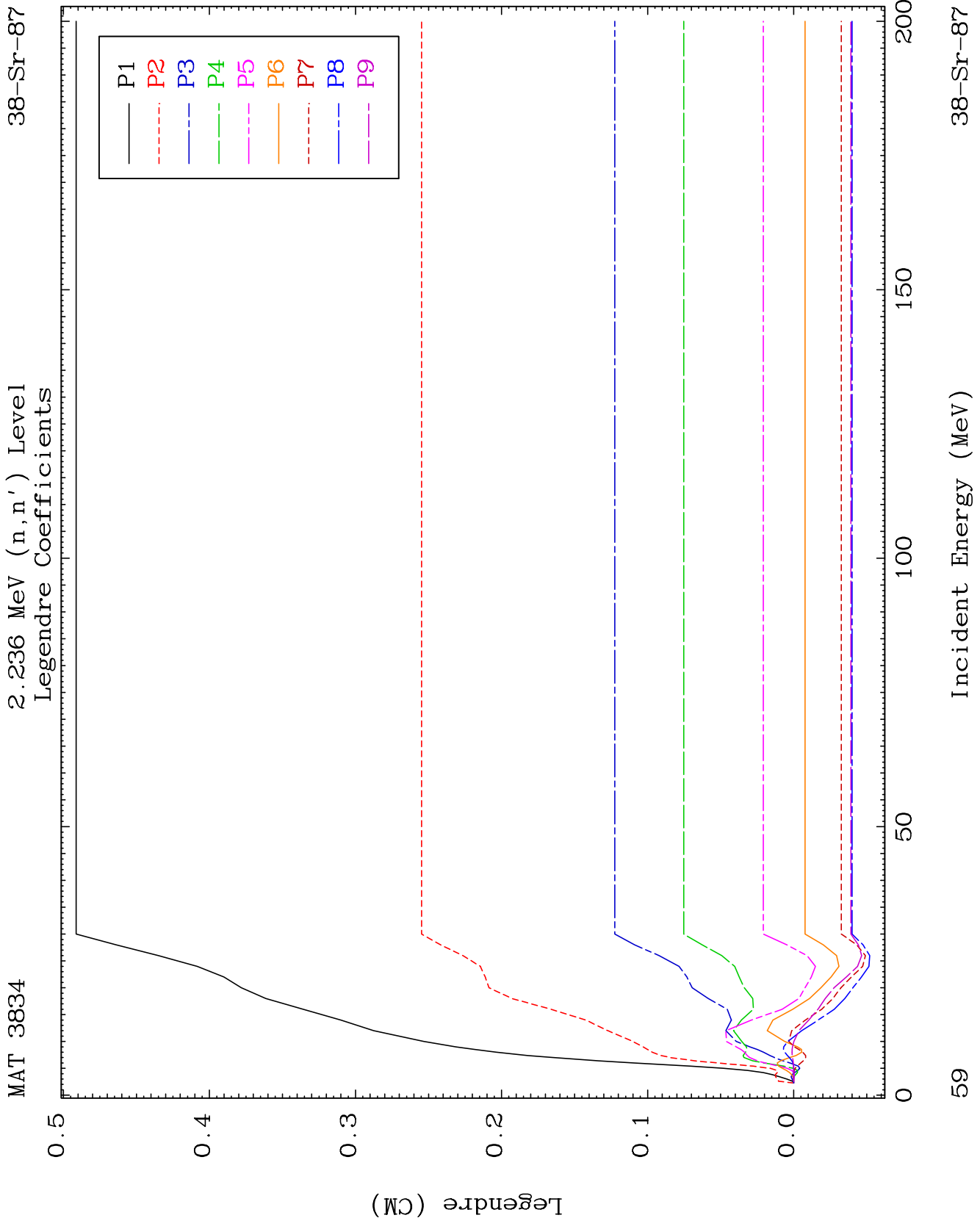
38-Sr-87



38-Sr-87

Incident Energy (MeV)

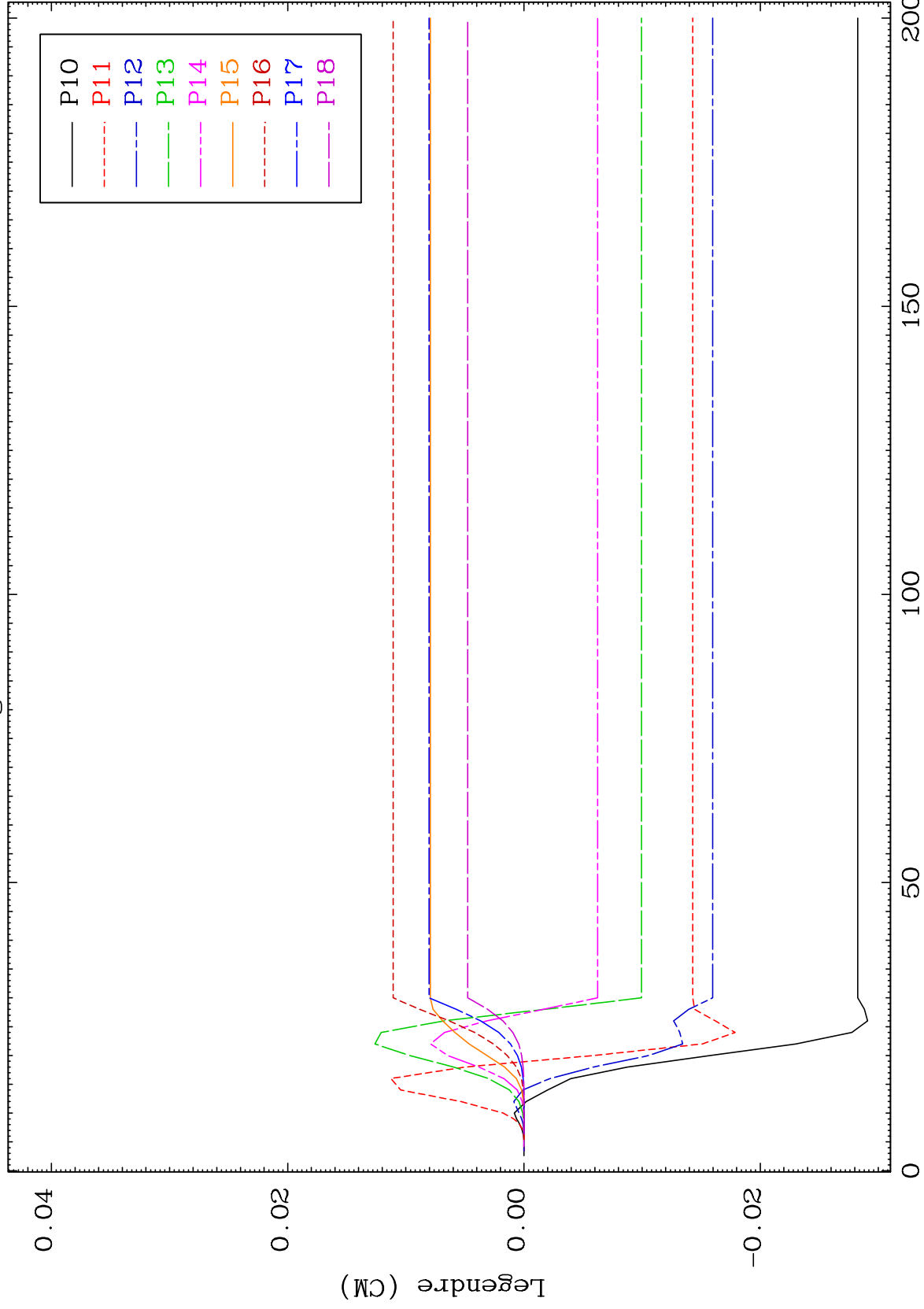
58



MAT 3834

2.236 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



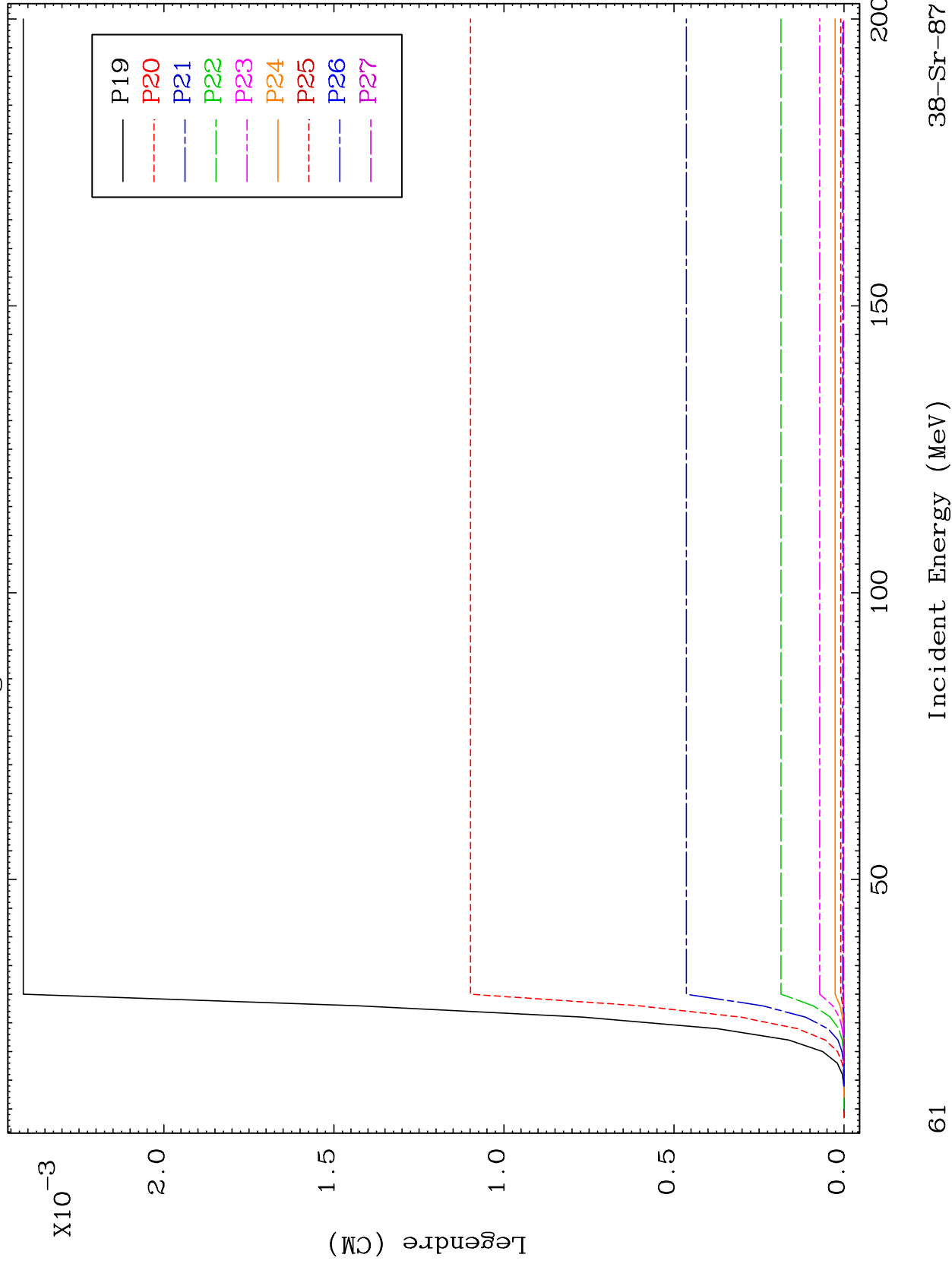
Incident Energy (MeV)

38-Sr-87

MAT 3834

2.236 MeV (n,n') Level
Legendre Coefficients

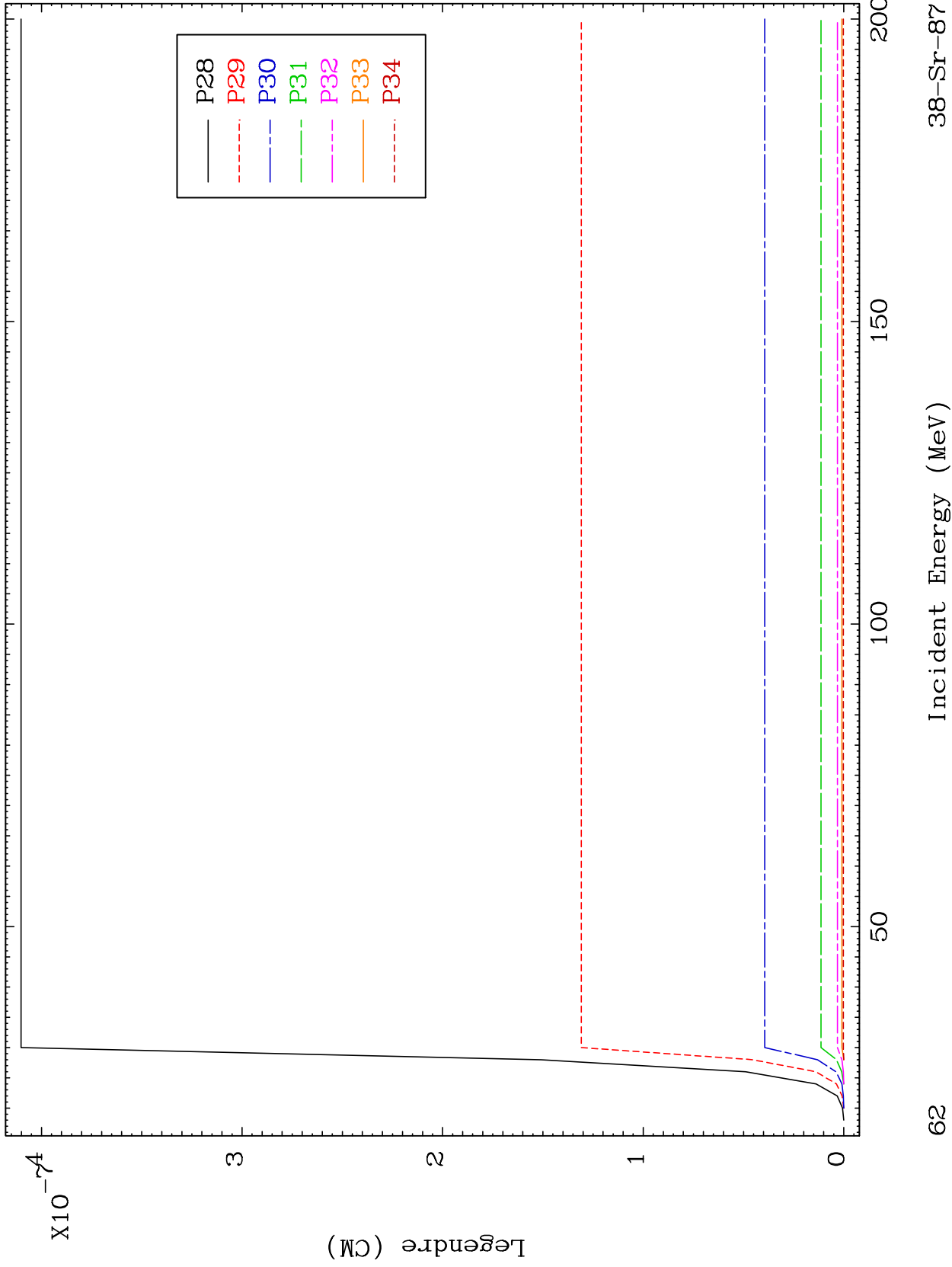
38-Sr-87



MAT 3834

2.236 MeV (n,n') Level
Legendre Coefficients

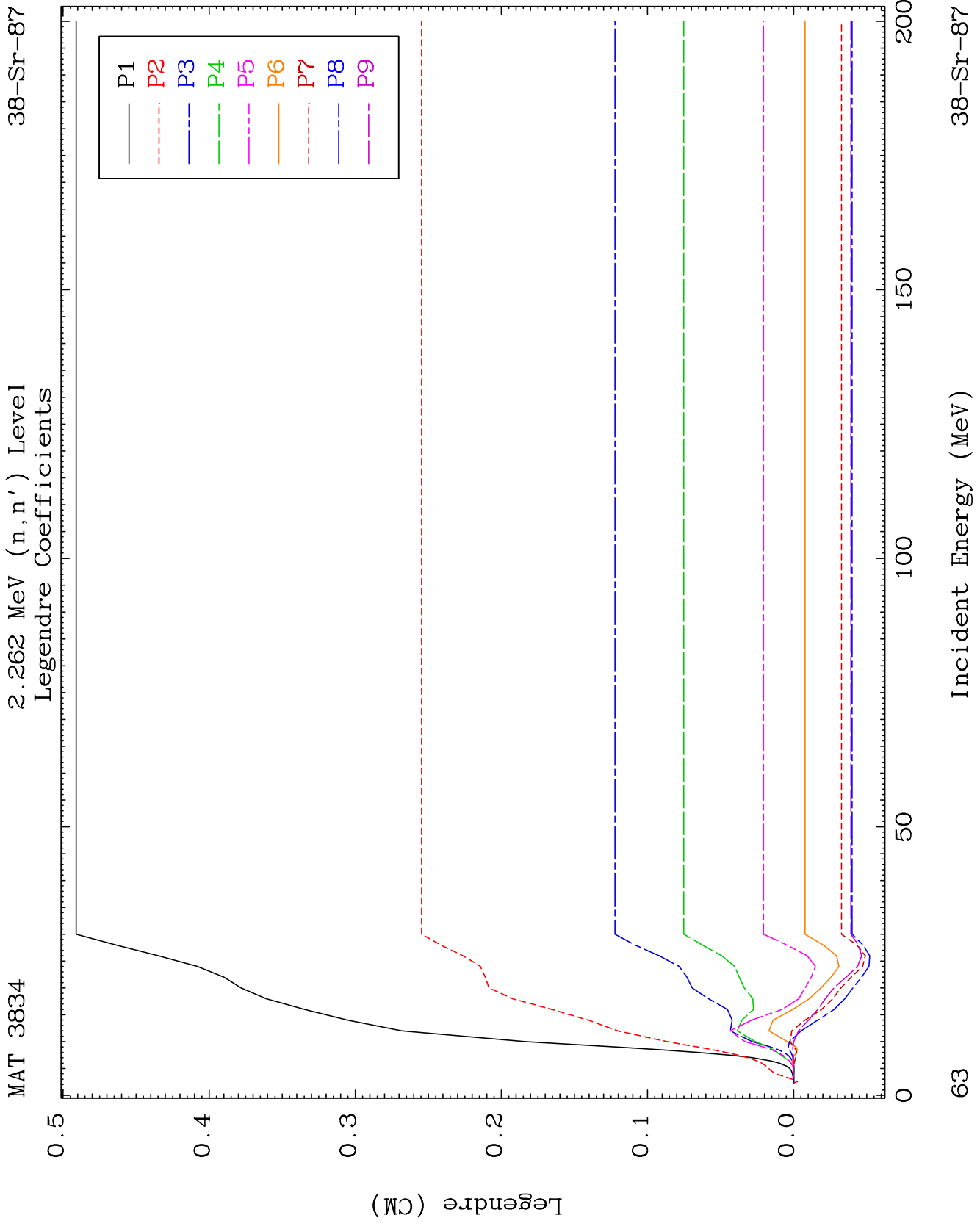
38-Sr-87



62

Incident Energy (MeV)

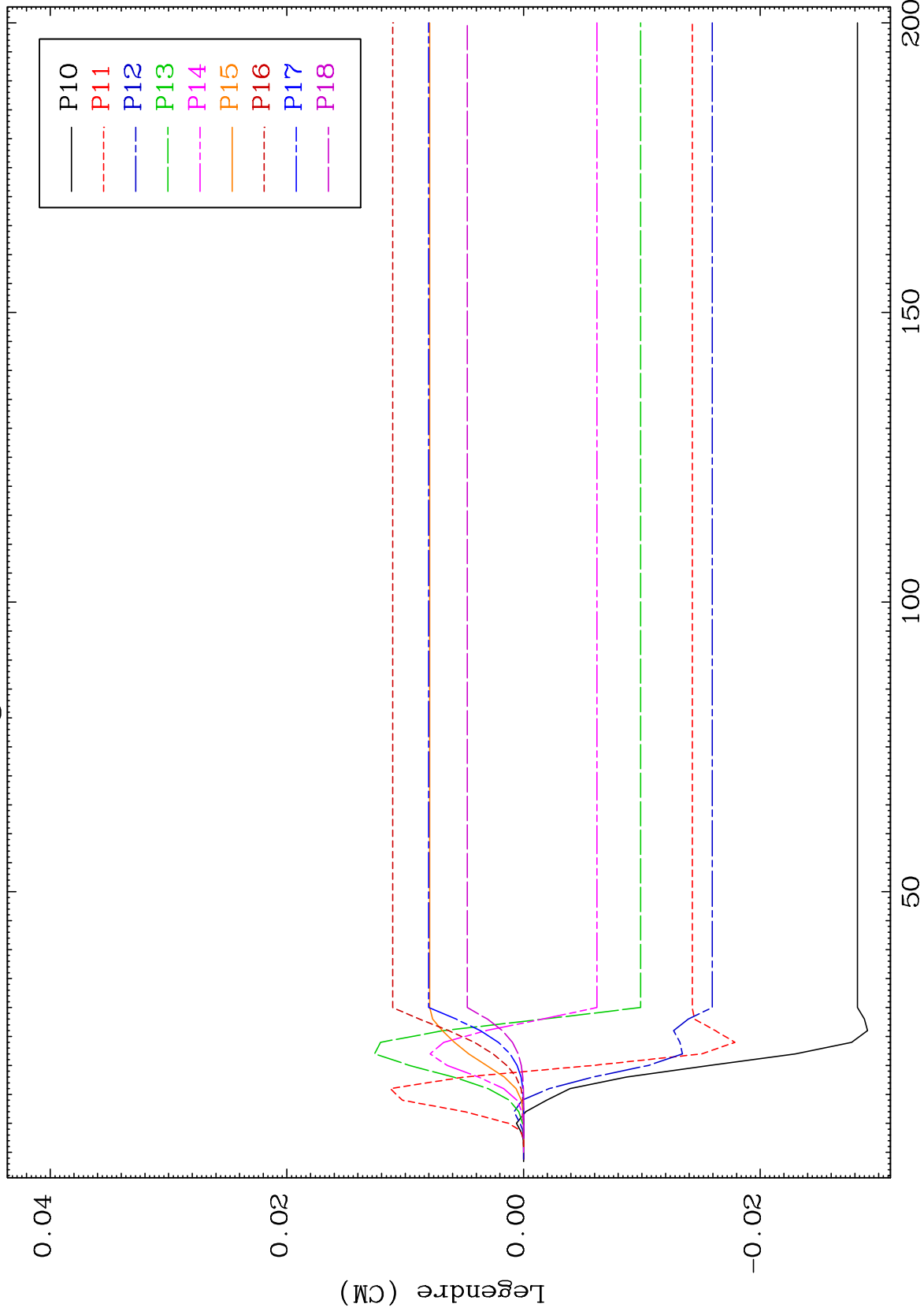
38-Sr-87



MAT 3834

2.262 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



64

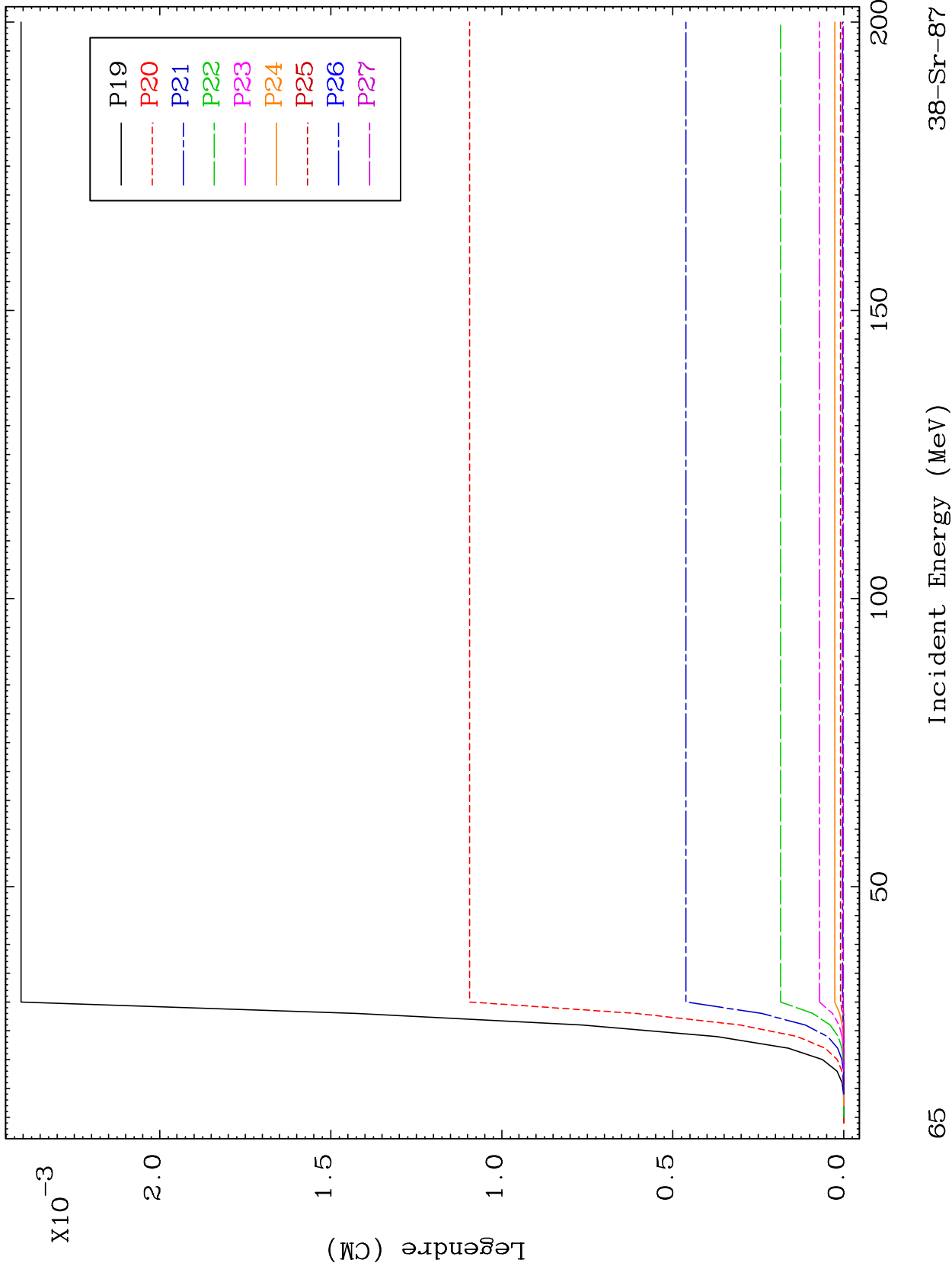
Incident Energy (MeV)

38-Sr-87

MAT 3834

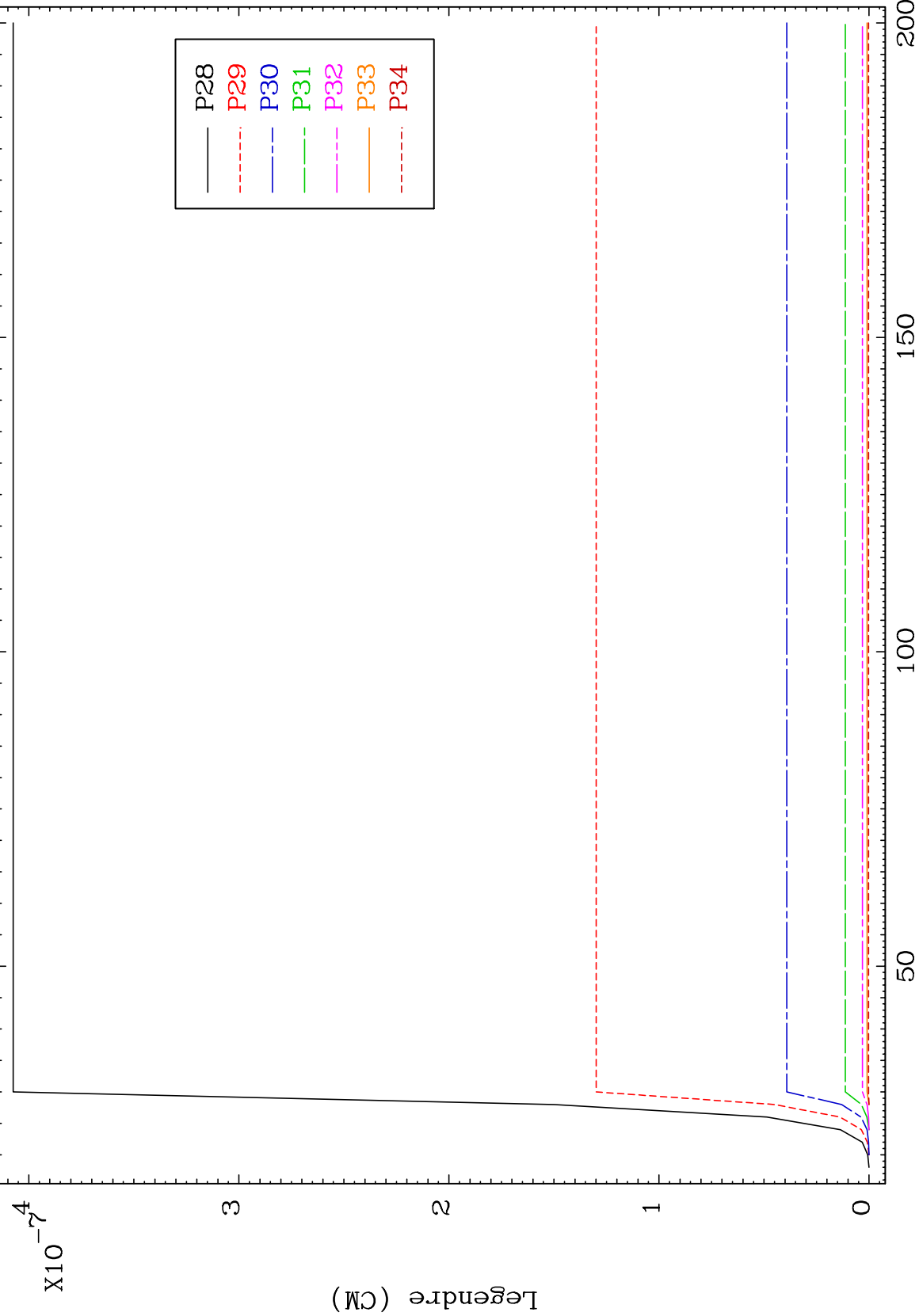
2.262 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



65

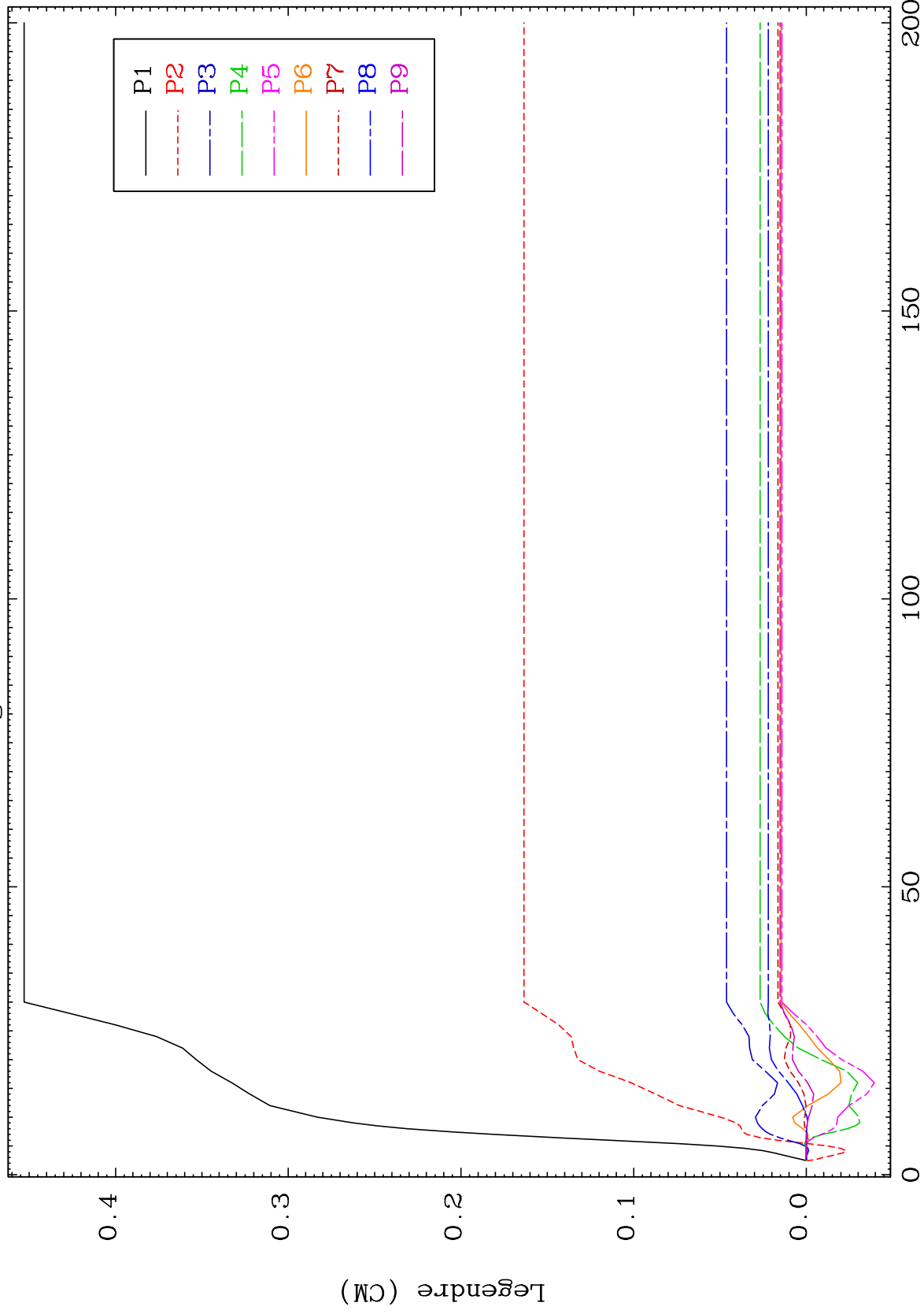
38-Sr-87



MAT 3834

2.414 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



67

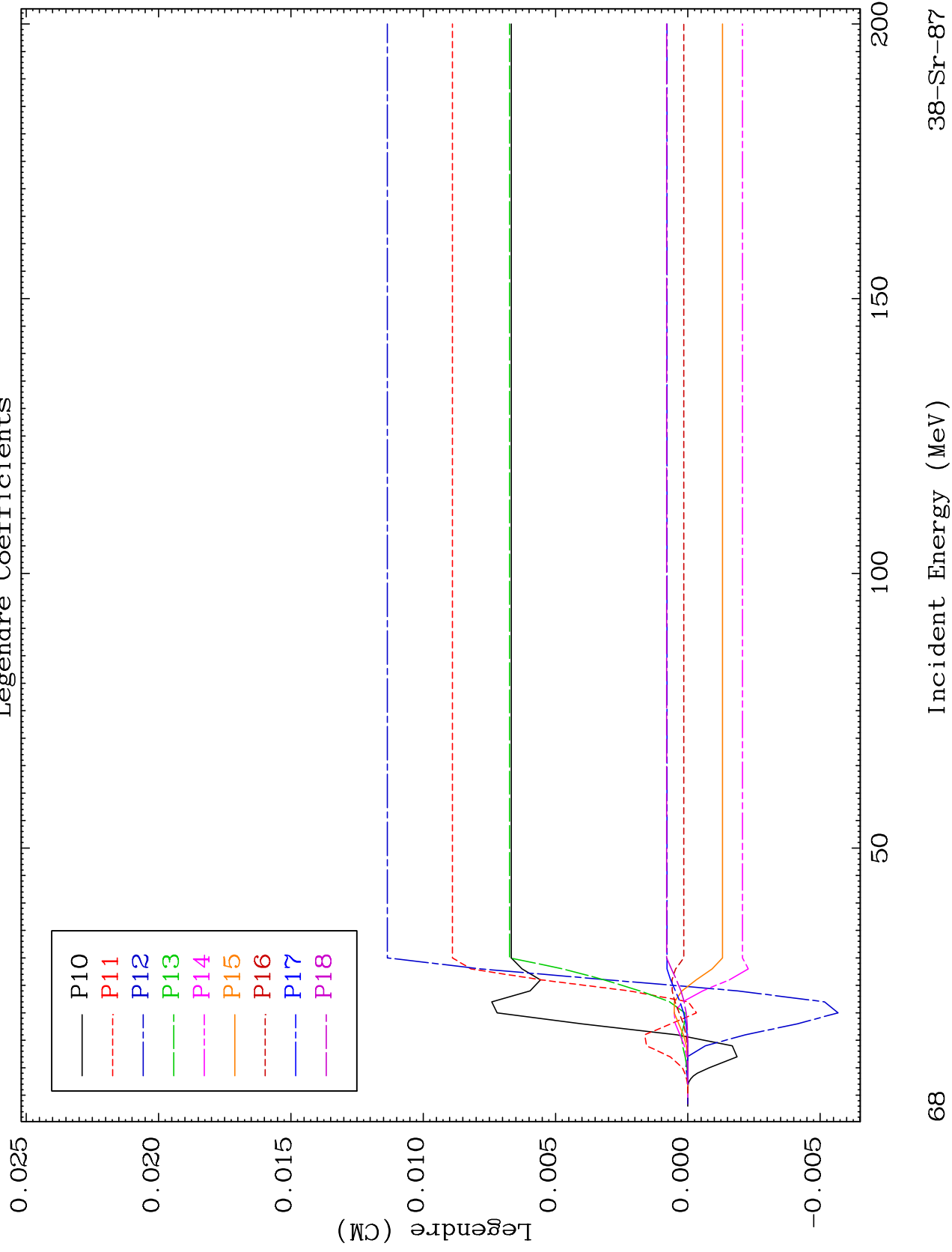
Incident Energy (MeV)

38-Sr-87

MAT 3834

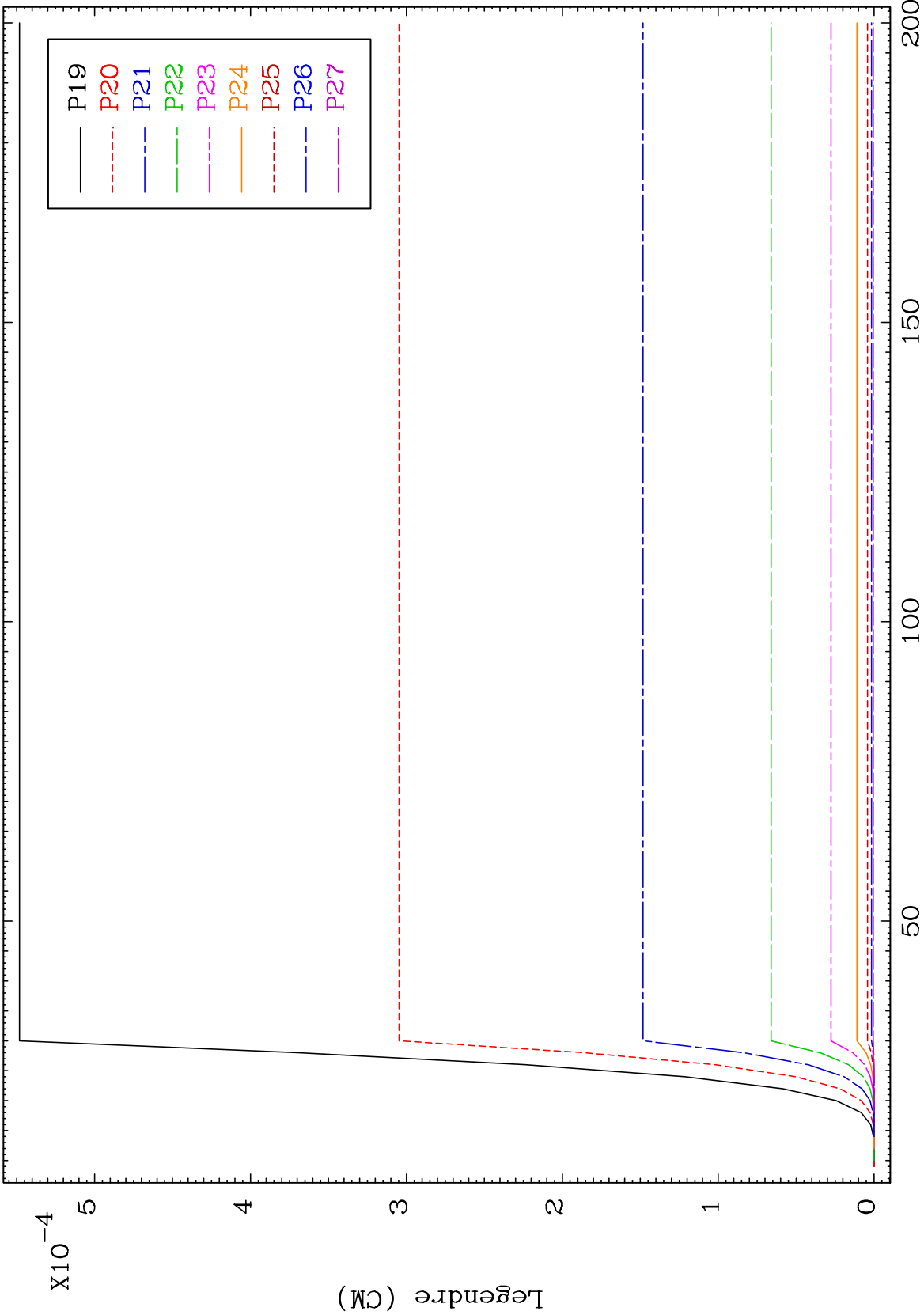
2.414 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



68

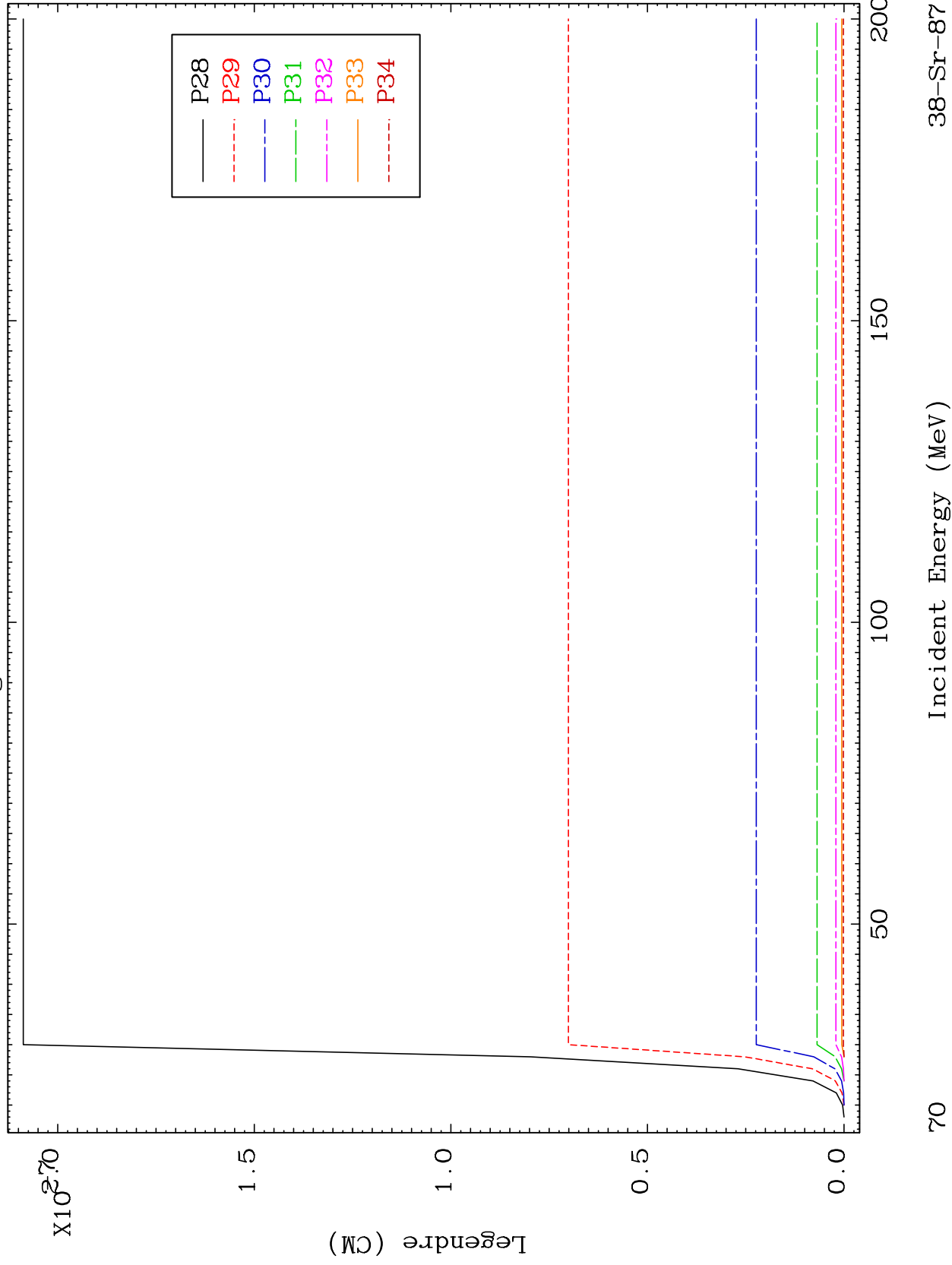
38-Sr-87



MAT 3834

2.414 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



38-Sr-87

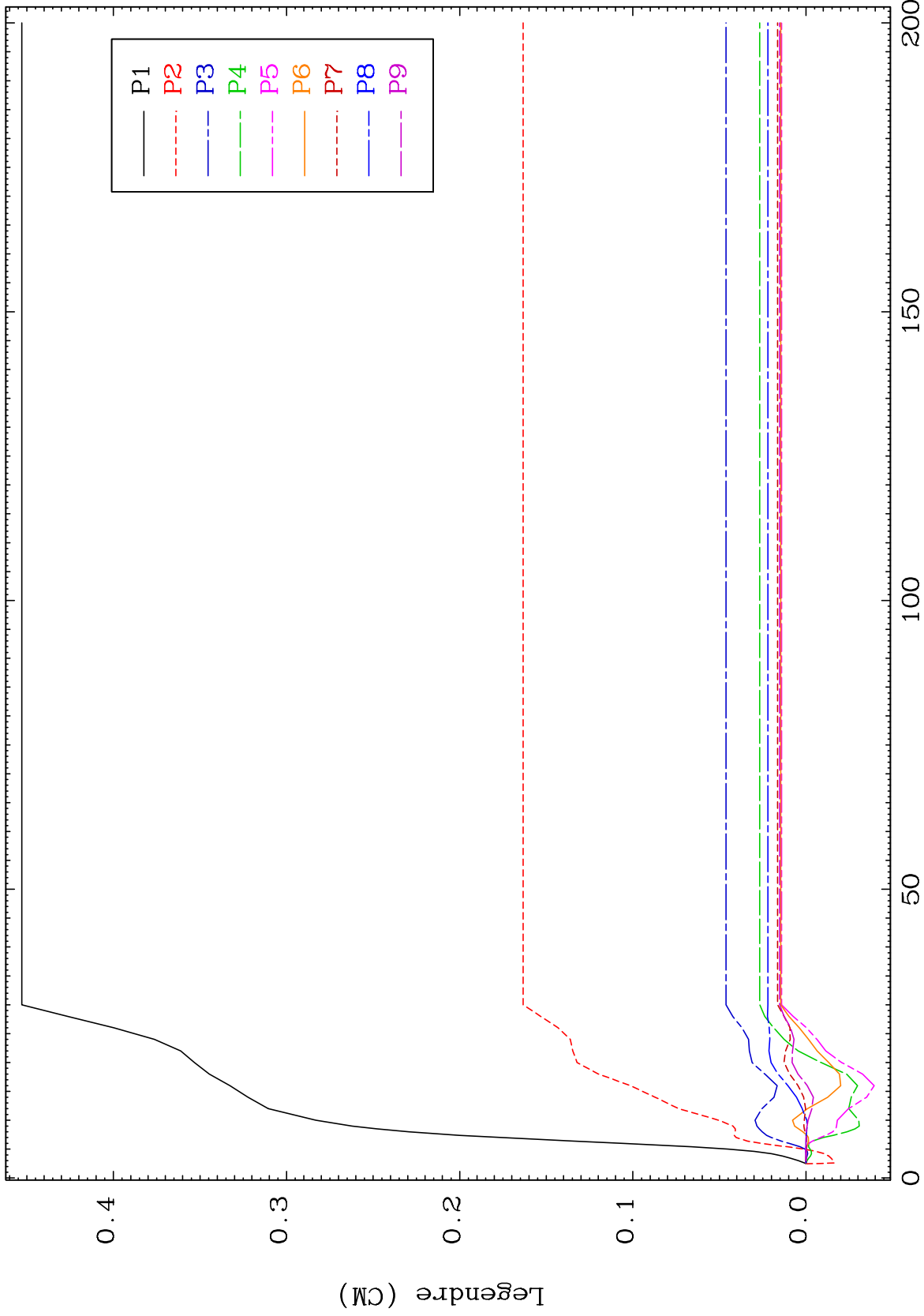
Incident Energy (MeV)

70

MAT 3834

2.420 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



71

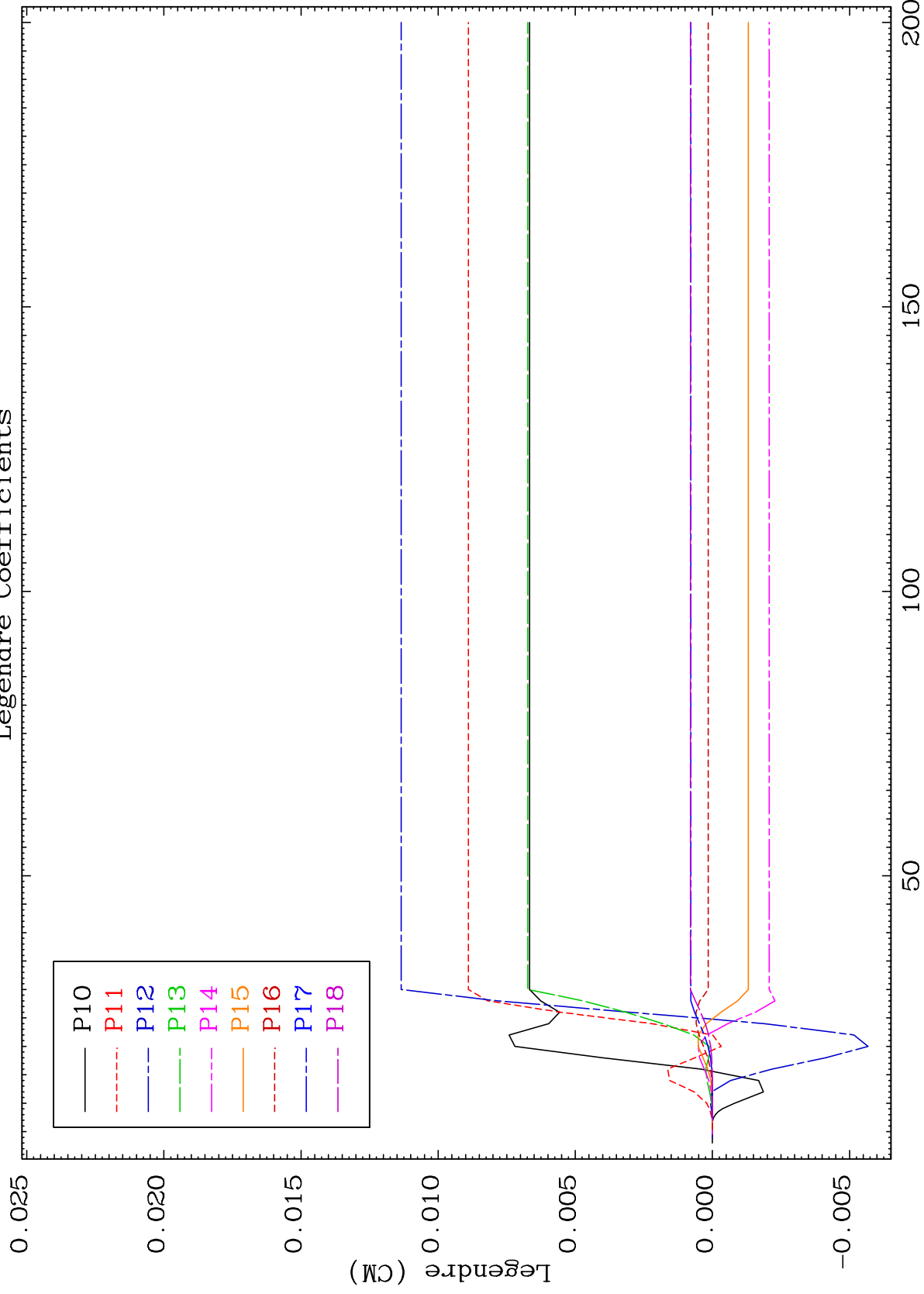
Incident Energy (MeV)

38-Sr-87

MAT 3834

2.420 MeV (n,n') Level
Legendre Coefficients

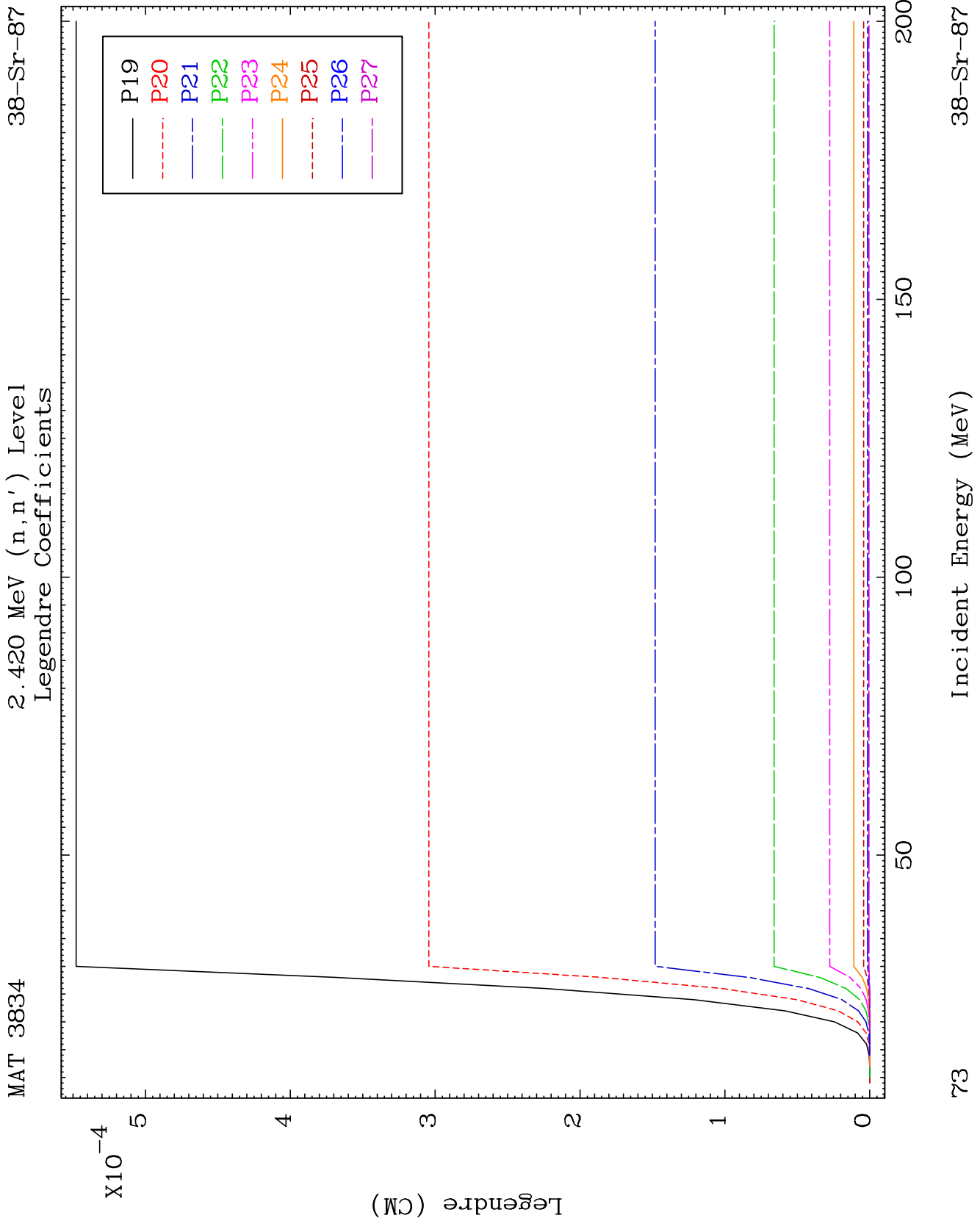
38-Sr-87



72

Incident Energy (MeV)

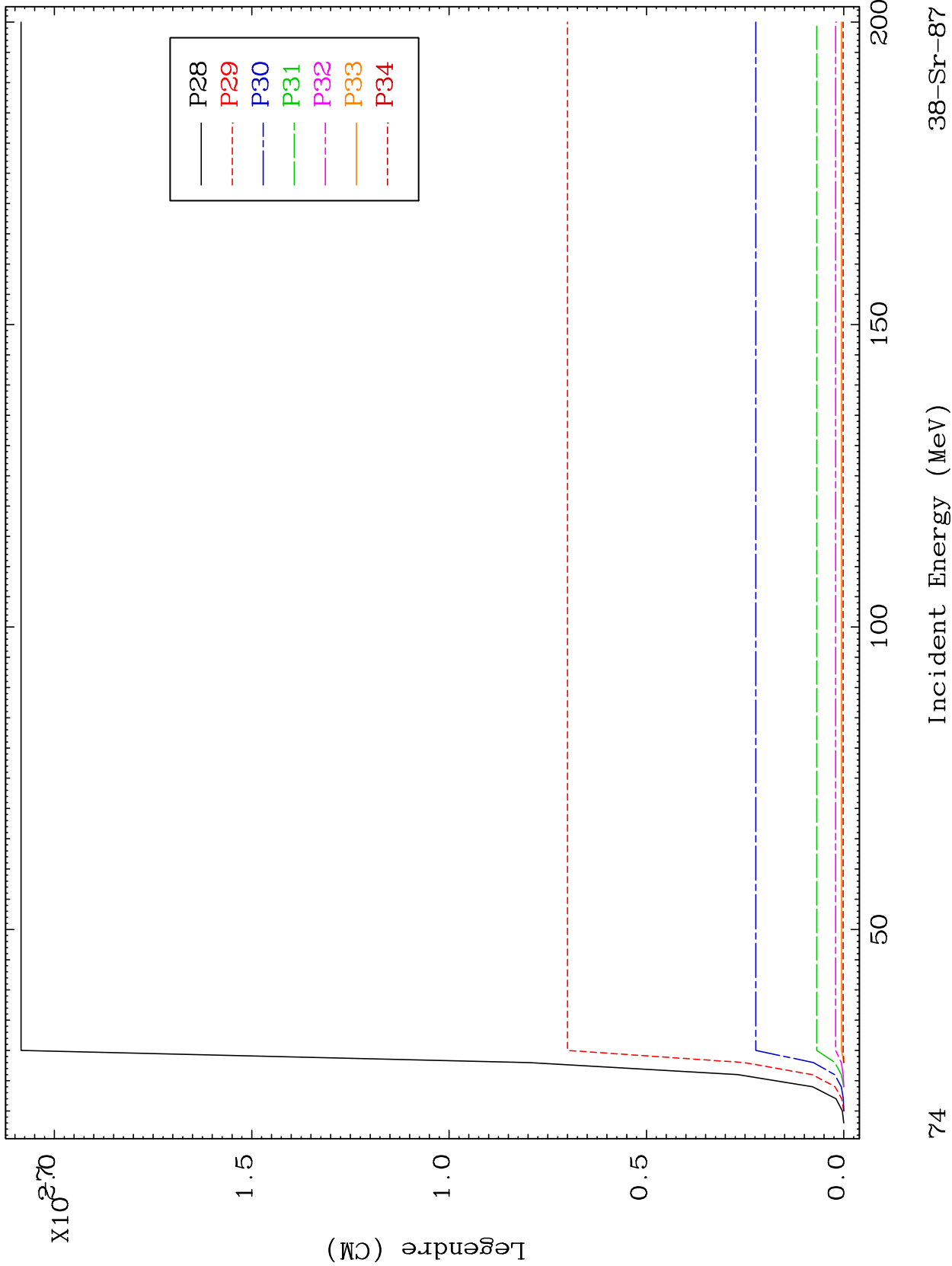
38-Sr-87



MAT 3834

2.420 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



74

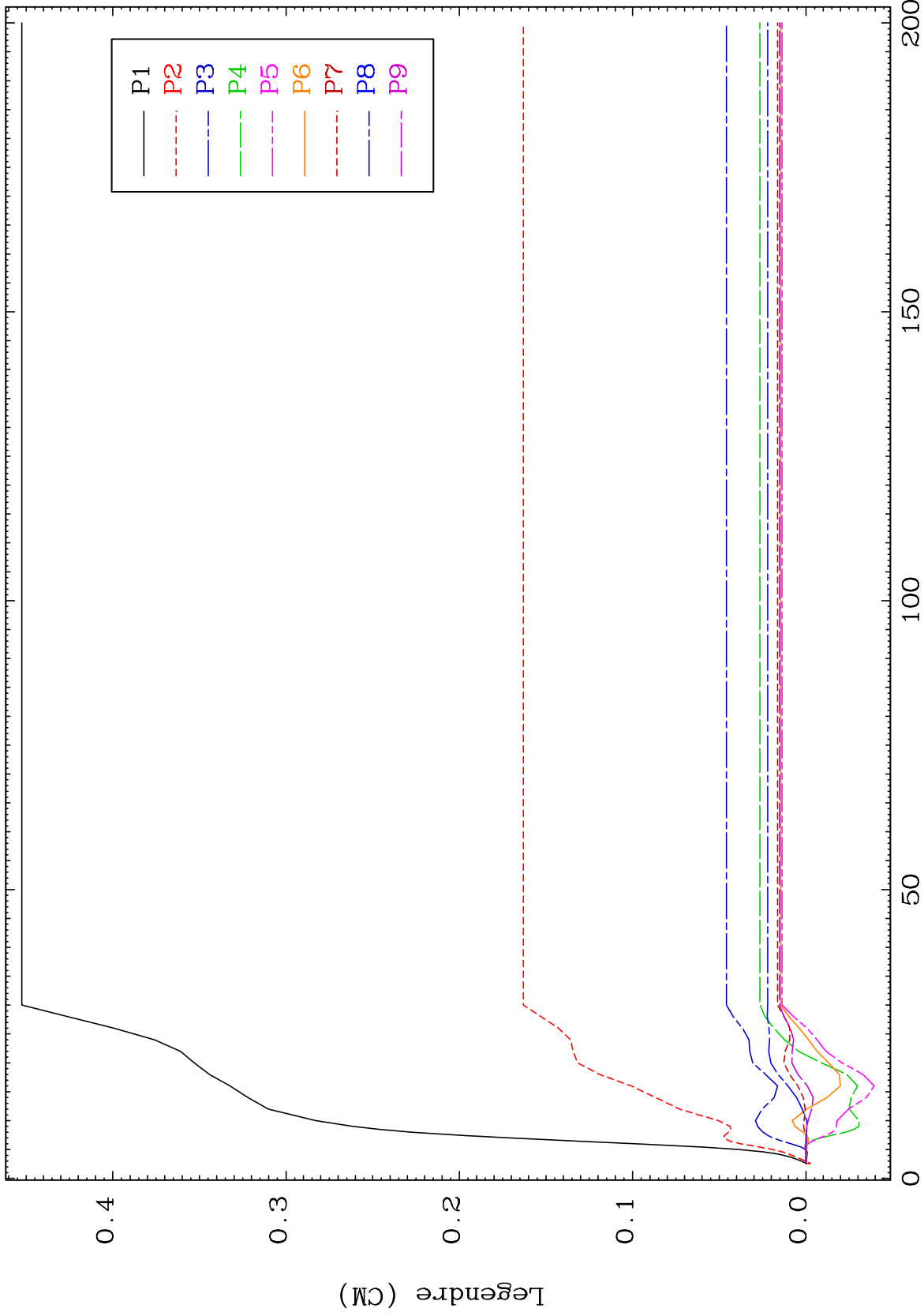
Incident Energy (MeV)

38-Sr-87

MAT 3834

2.488 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



75

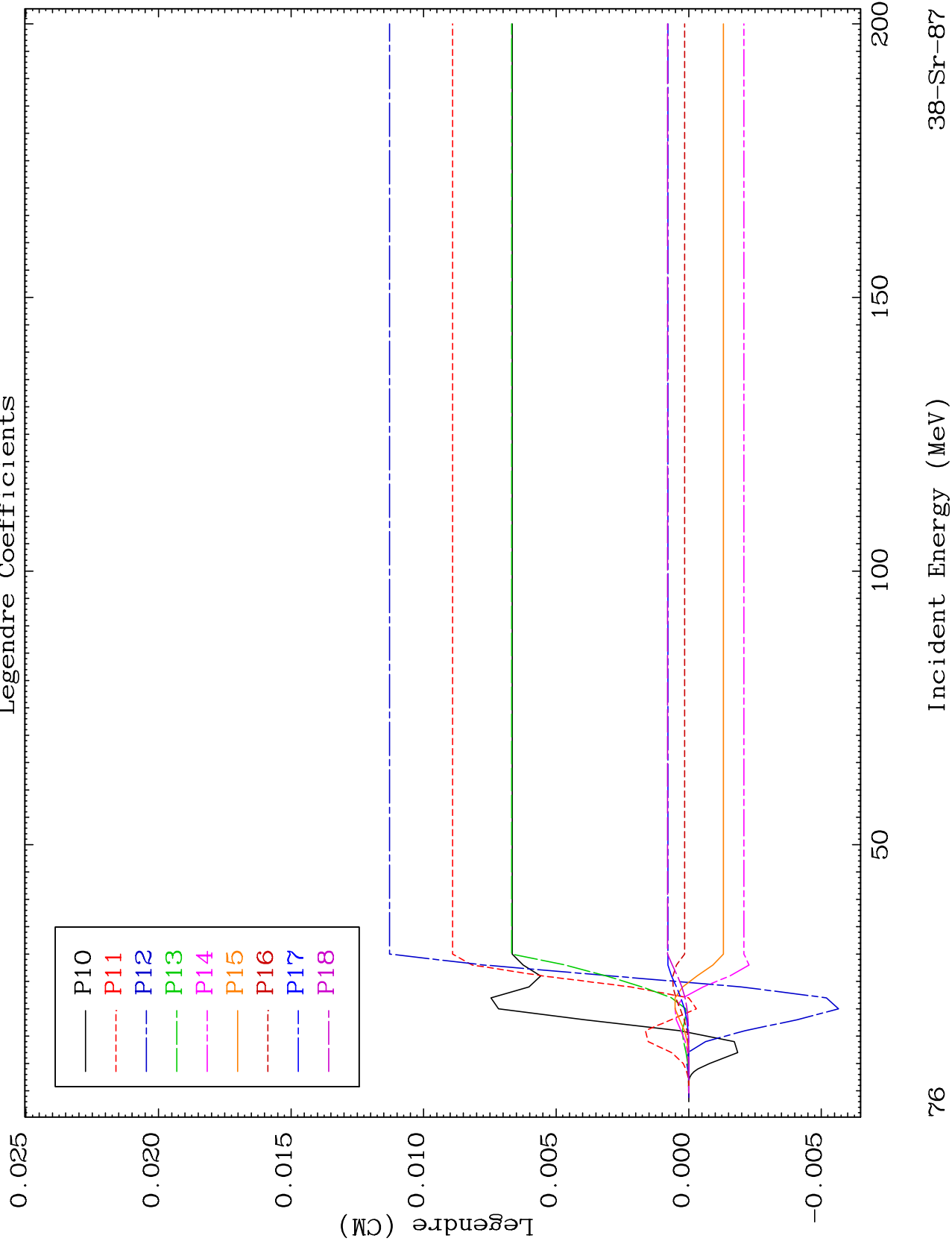
Incident Energy (MeV)

38-Sr-87

MAT 3834

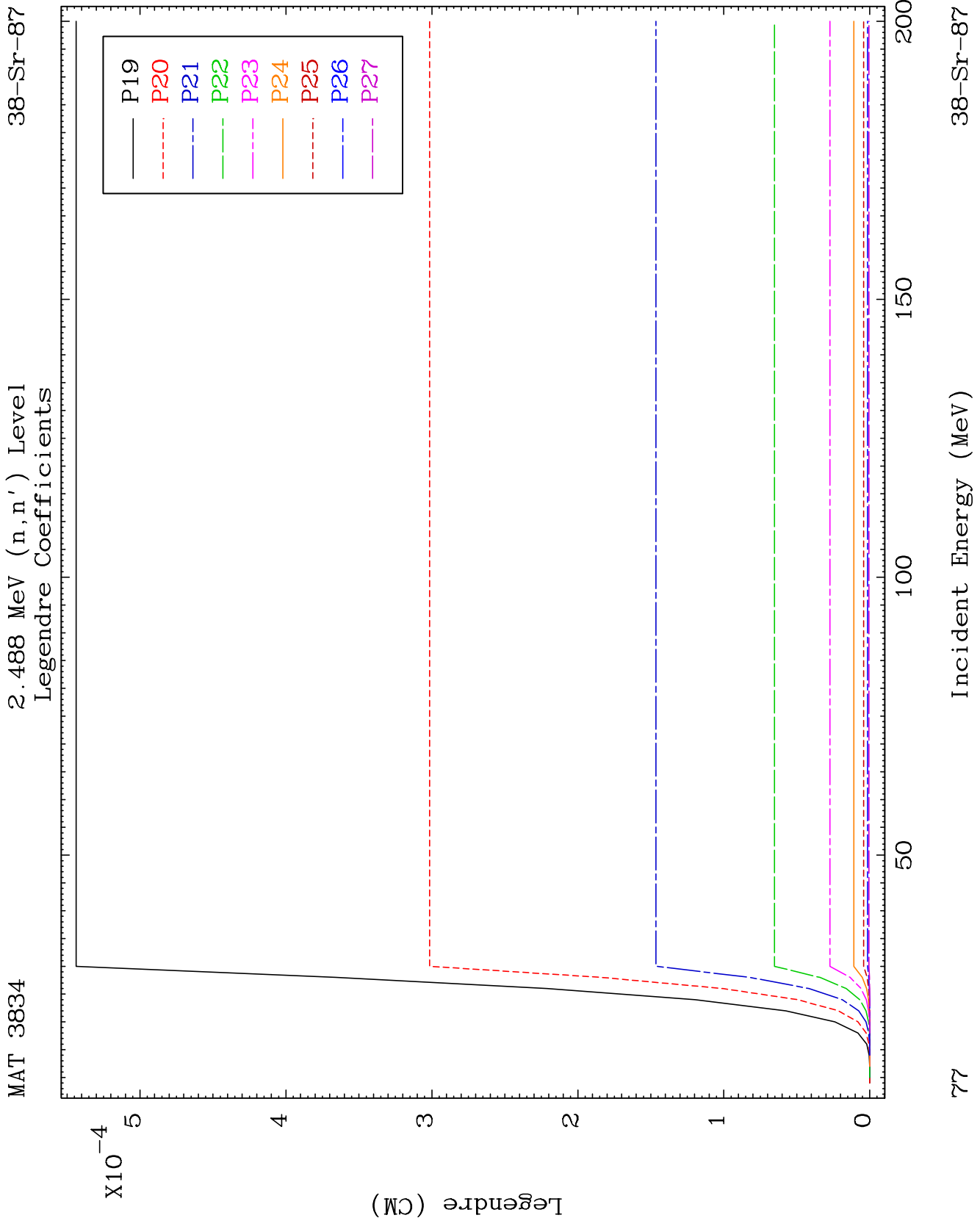
2.488 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



76

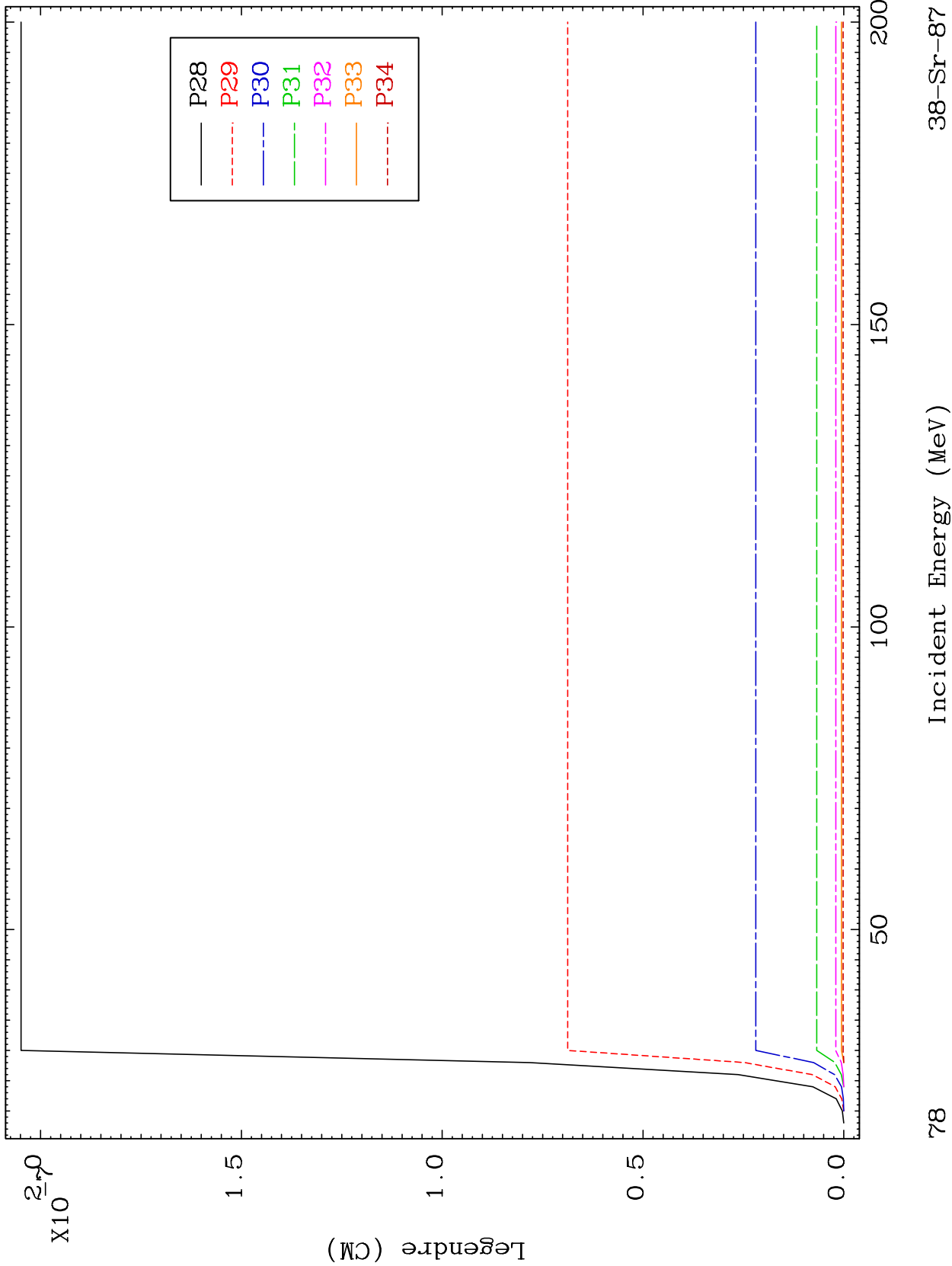
38-Sr-87



MAT 3834

2.488 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



78

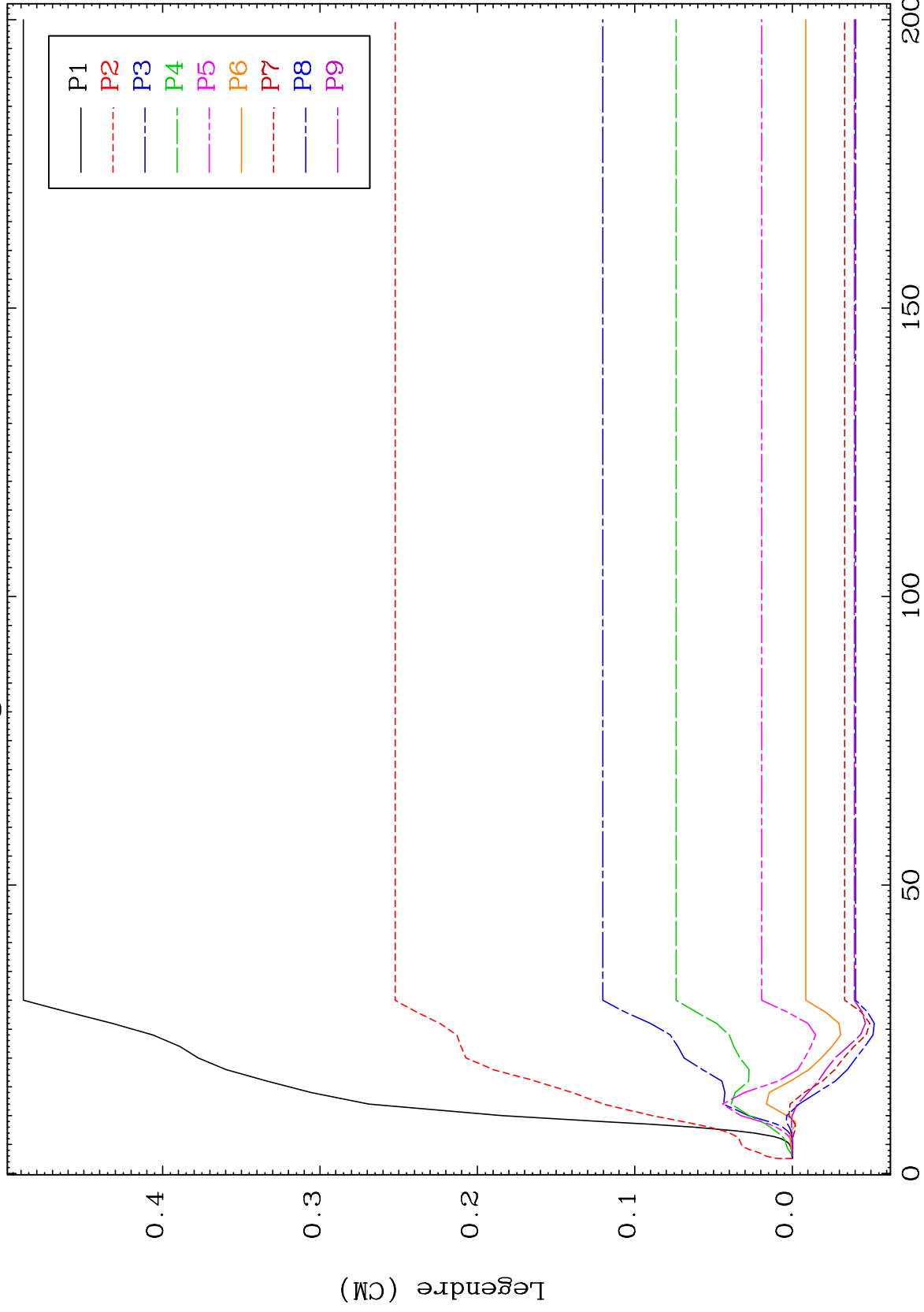
Incident Energy (MeV)

38-Sr-87

MAT 3834

2.533 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



79

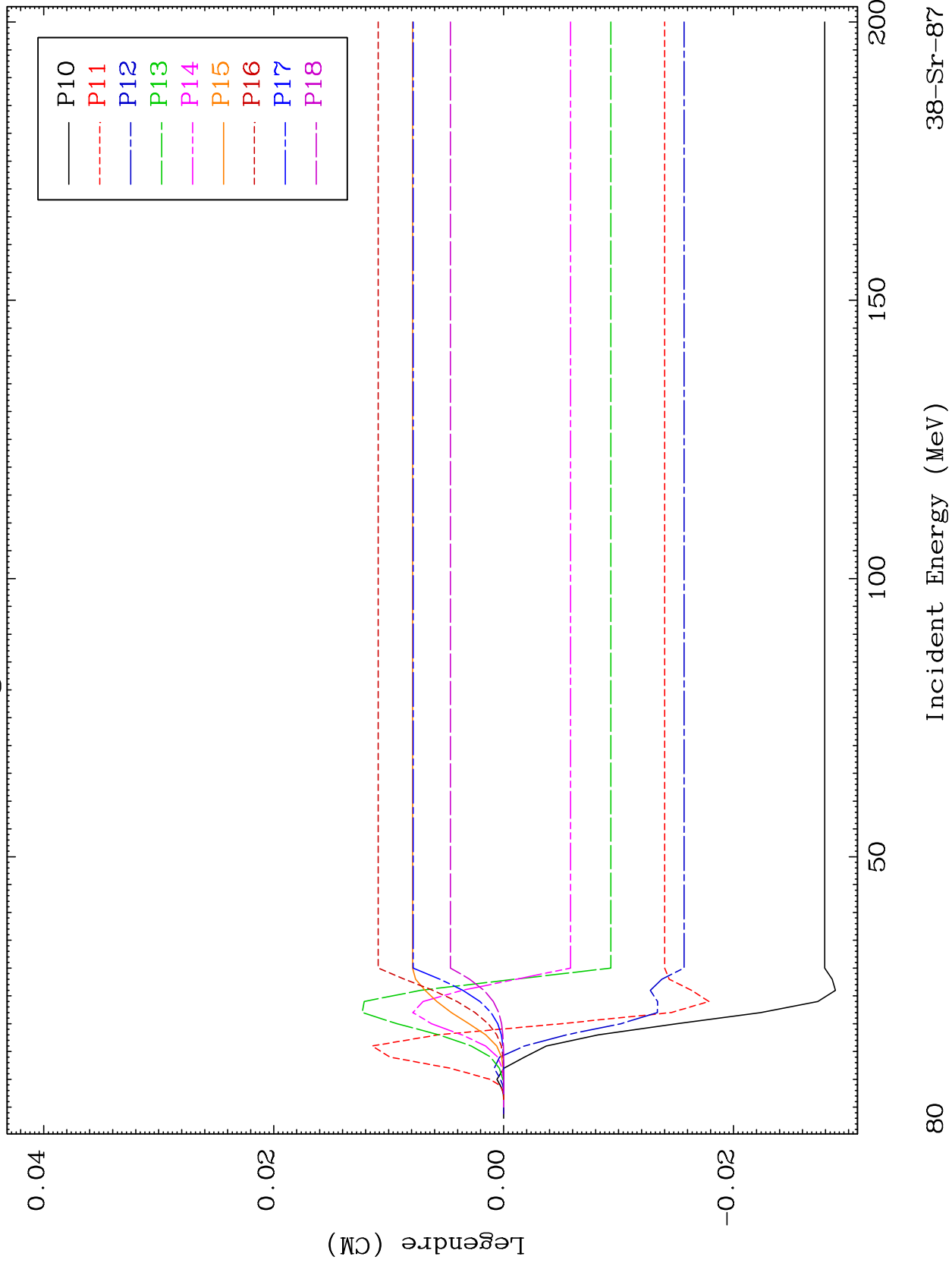
Incident Energy (MeV)

38-Sr-87

MAT 3834

2.533 MeV (n,n') Level
Legendre Coefficients

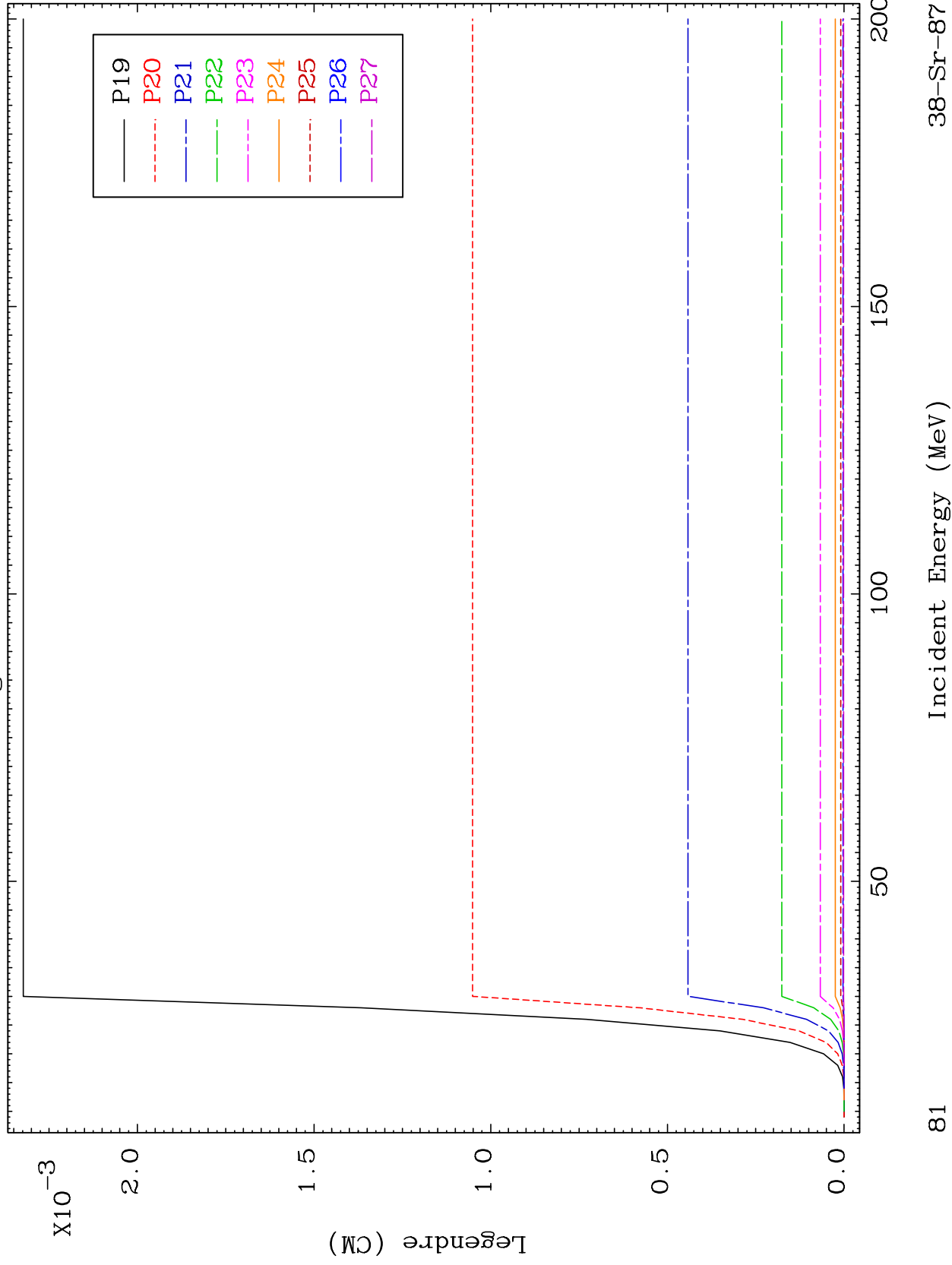
38-Sr-87



MAT 3834

2.533 MeV (n,n') Level
Legendre Coefficients

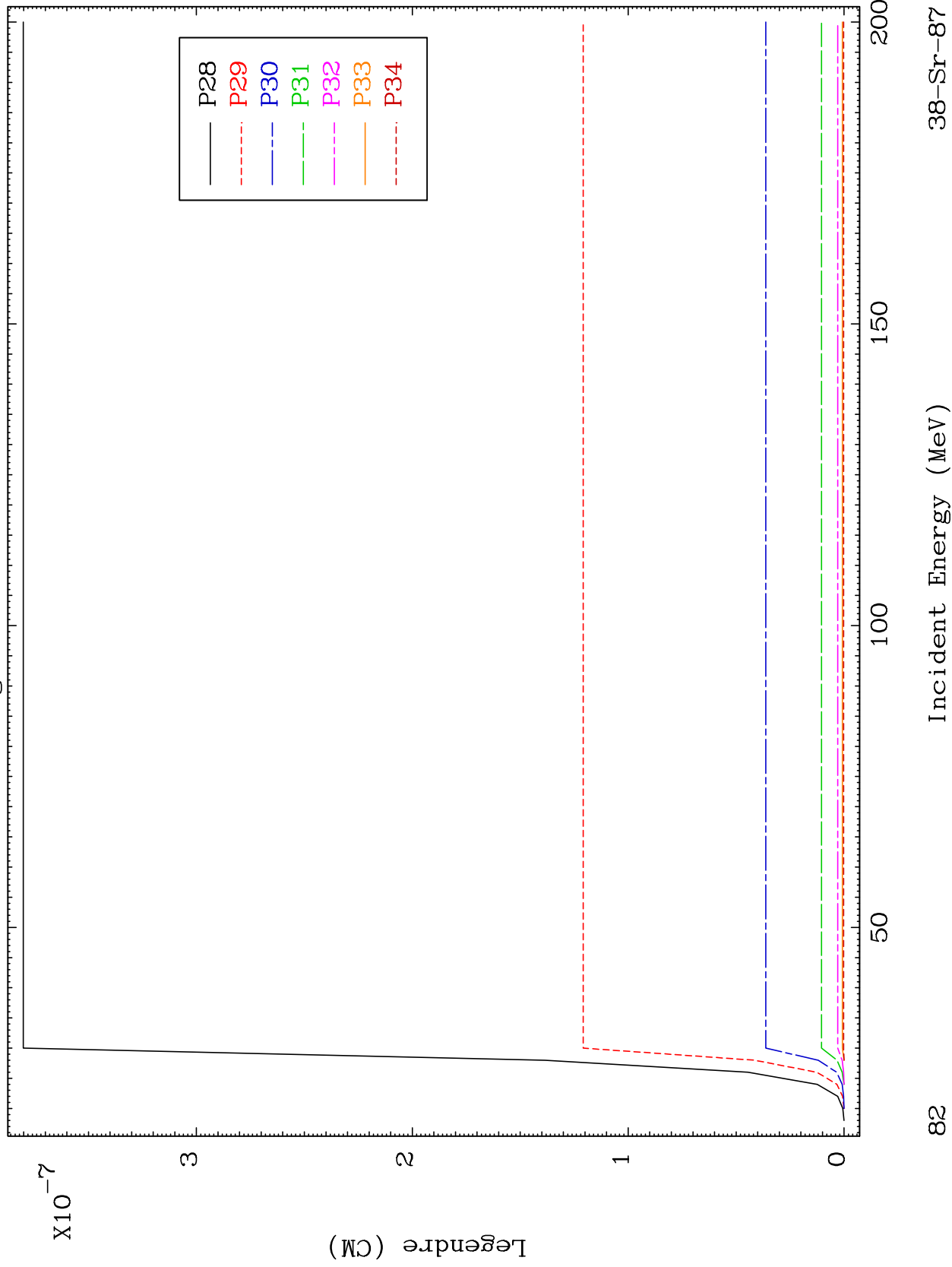
38-Sr-87



MAT 3834

2.533 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



82

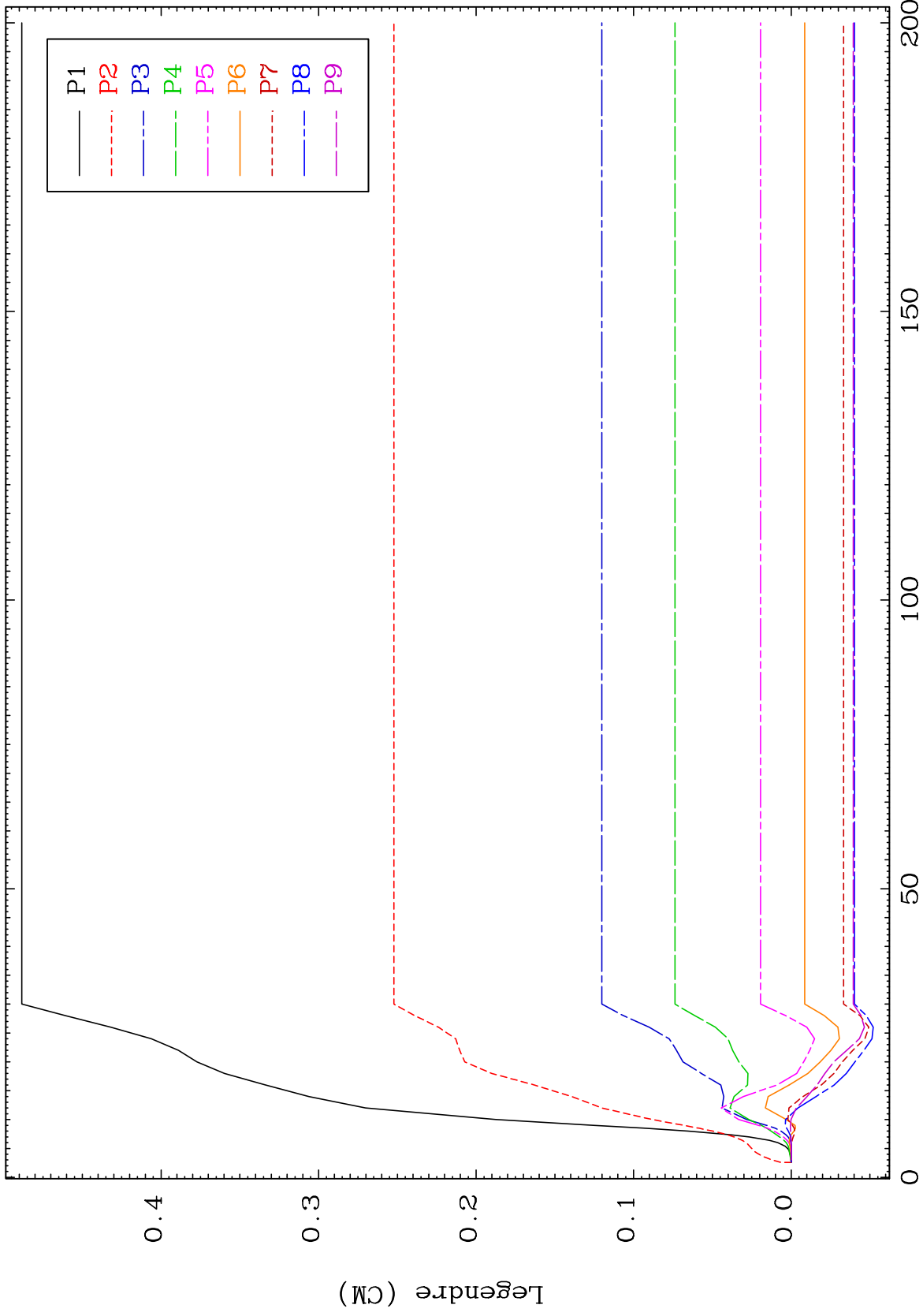
Incident Energy (MeV)

38-Sr-87

MAT 3834

2.536 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



83

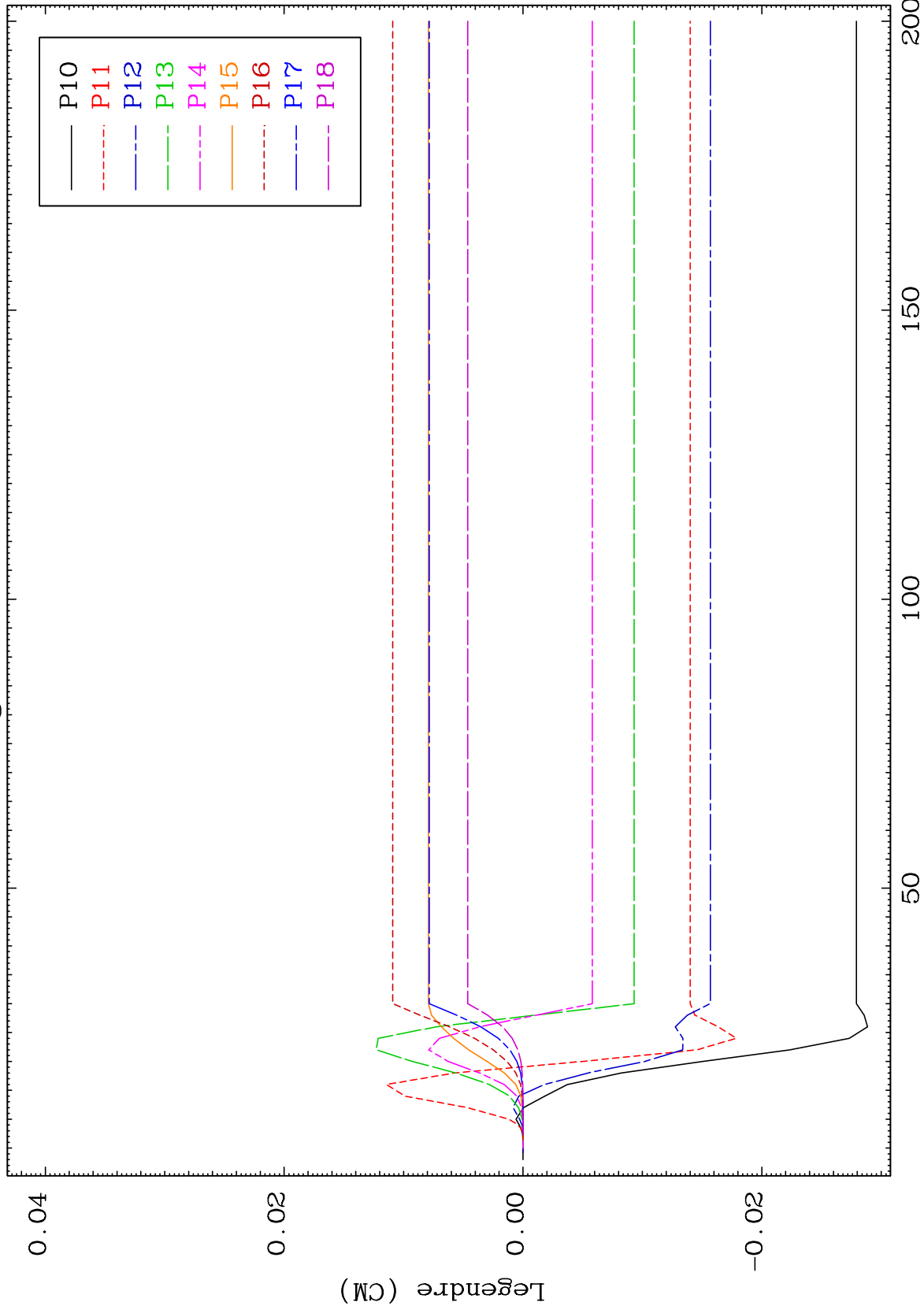
Incident Energy (MeV)

38-Sr-87

MAT 3834

2.536 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



84

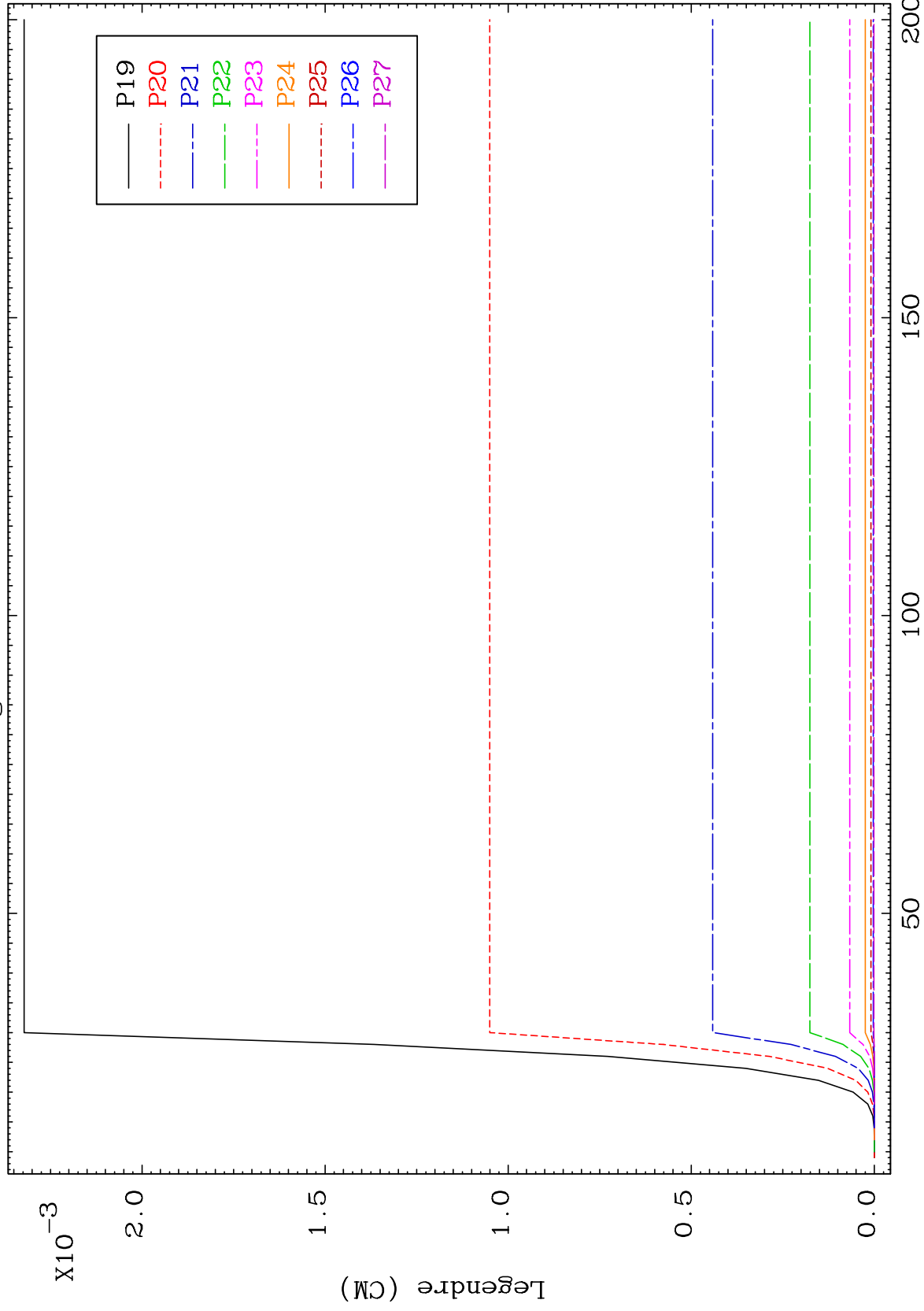
Incident Energy (MeV)

38-Sr-87

MAT 3834

2.536 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



85

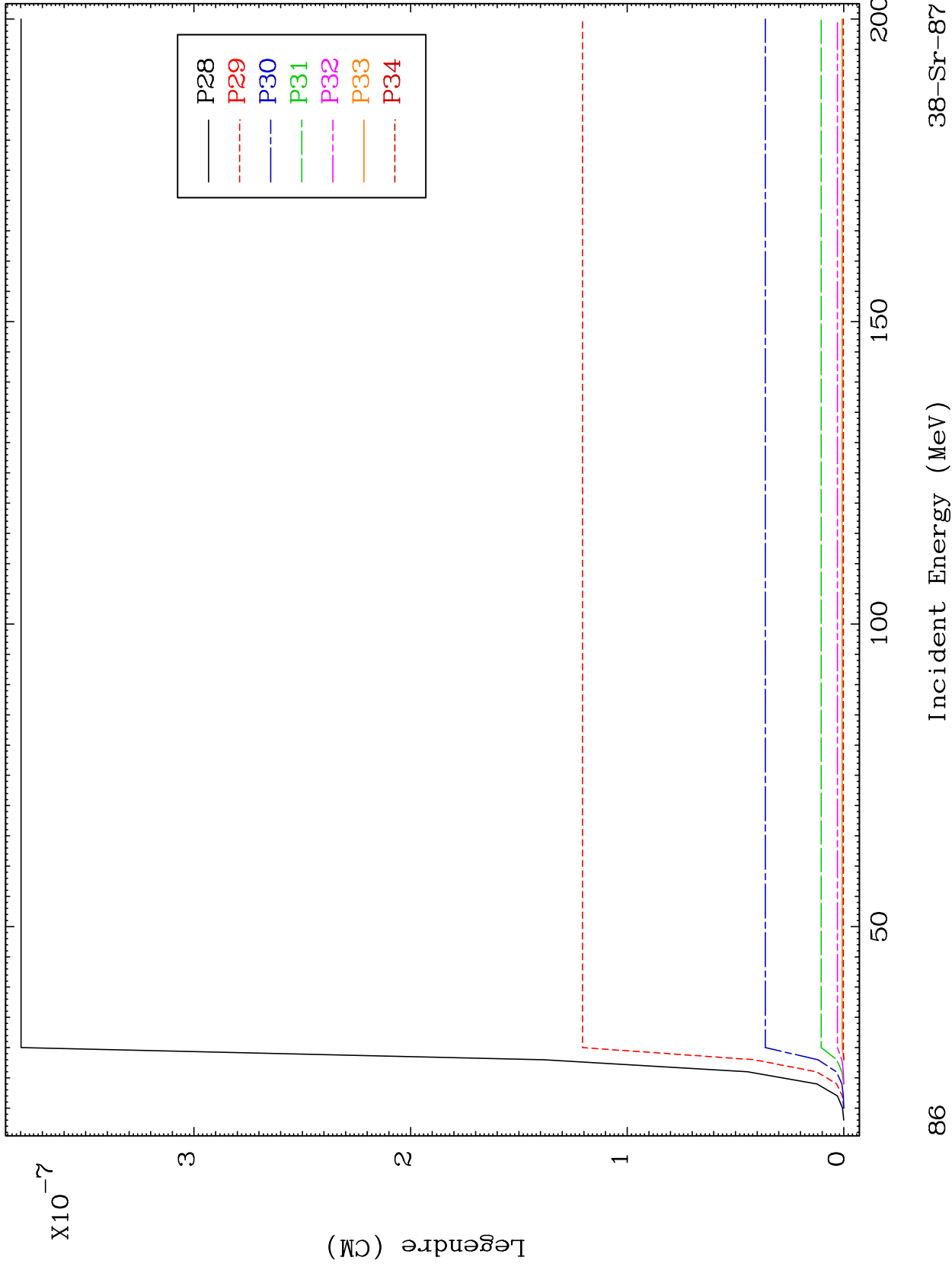
Incident Energy (MeV)

38-Sr-87

MAT 3834

2.536 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



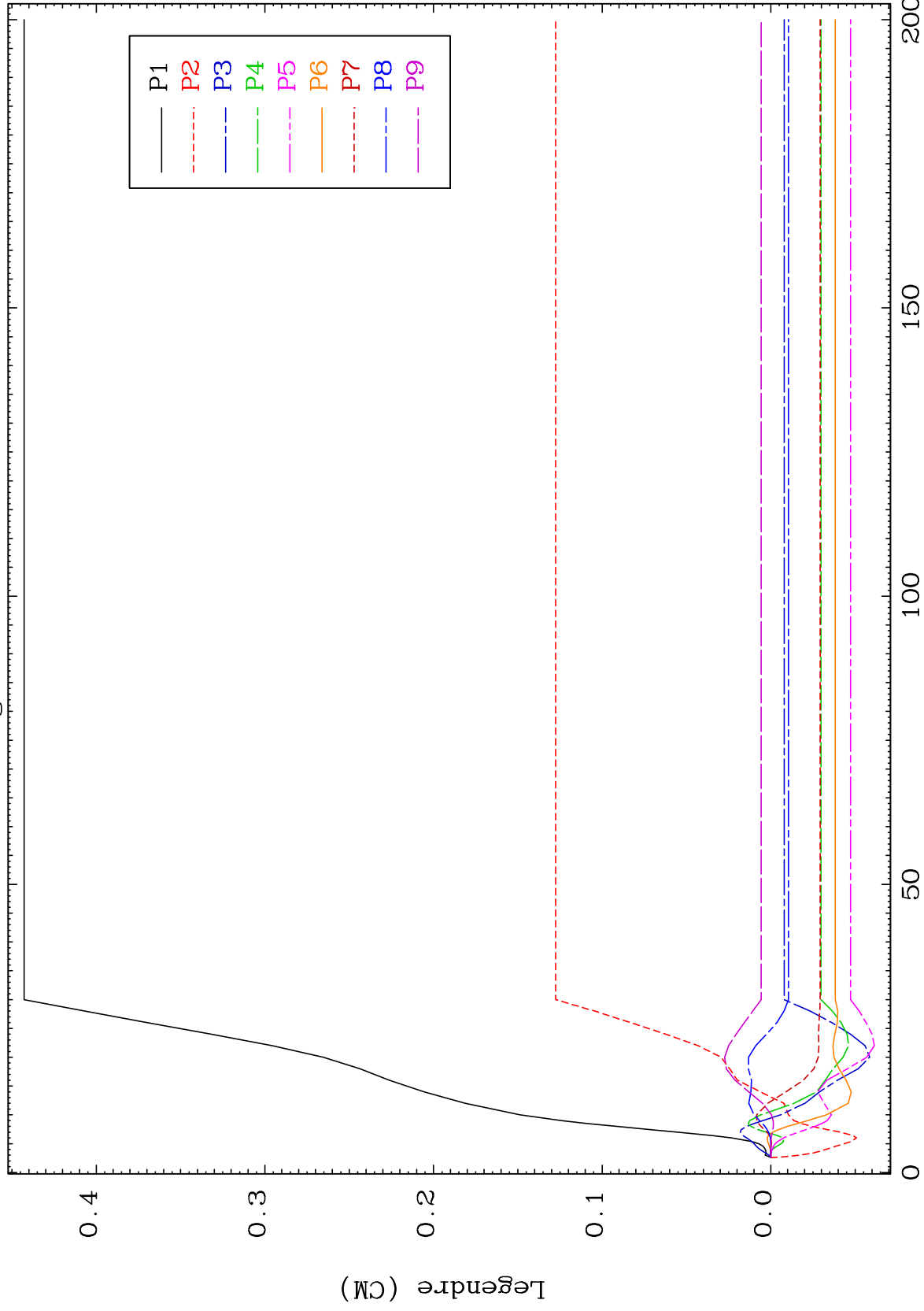
86

38-Sr-87

MAT 3834

2.539 MeV (n,n') Level
Legendre Coefficients

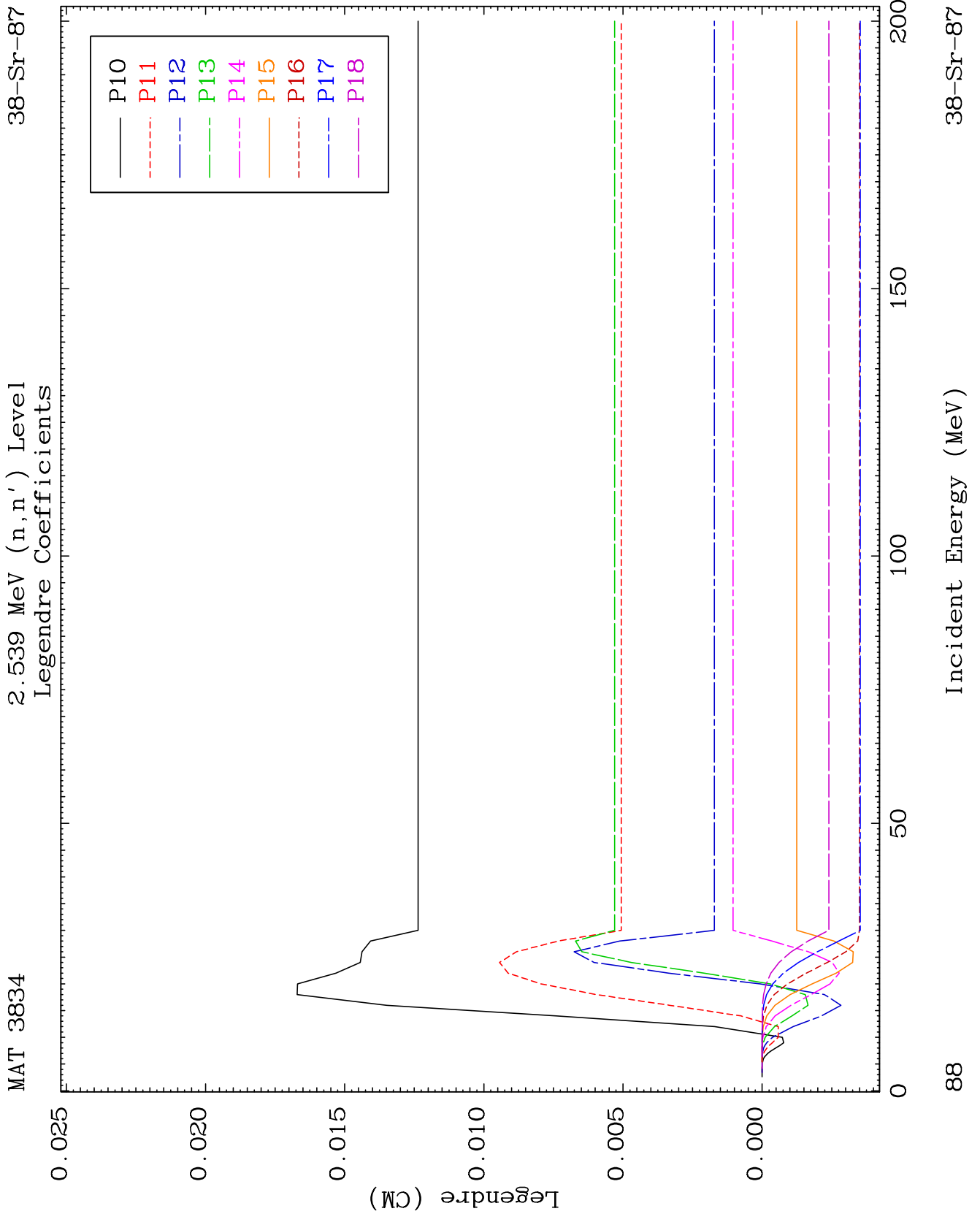
38-Sr-87

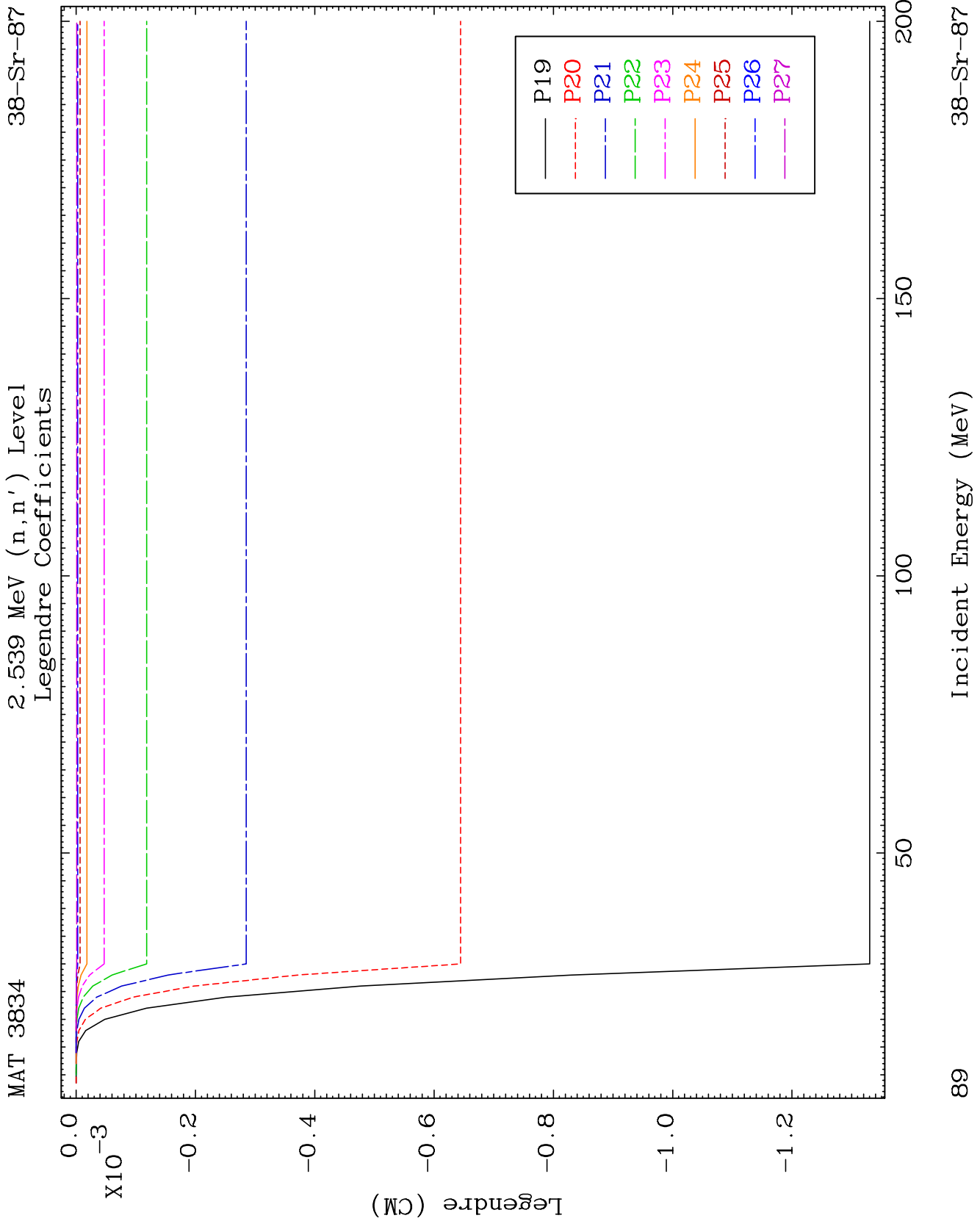


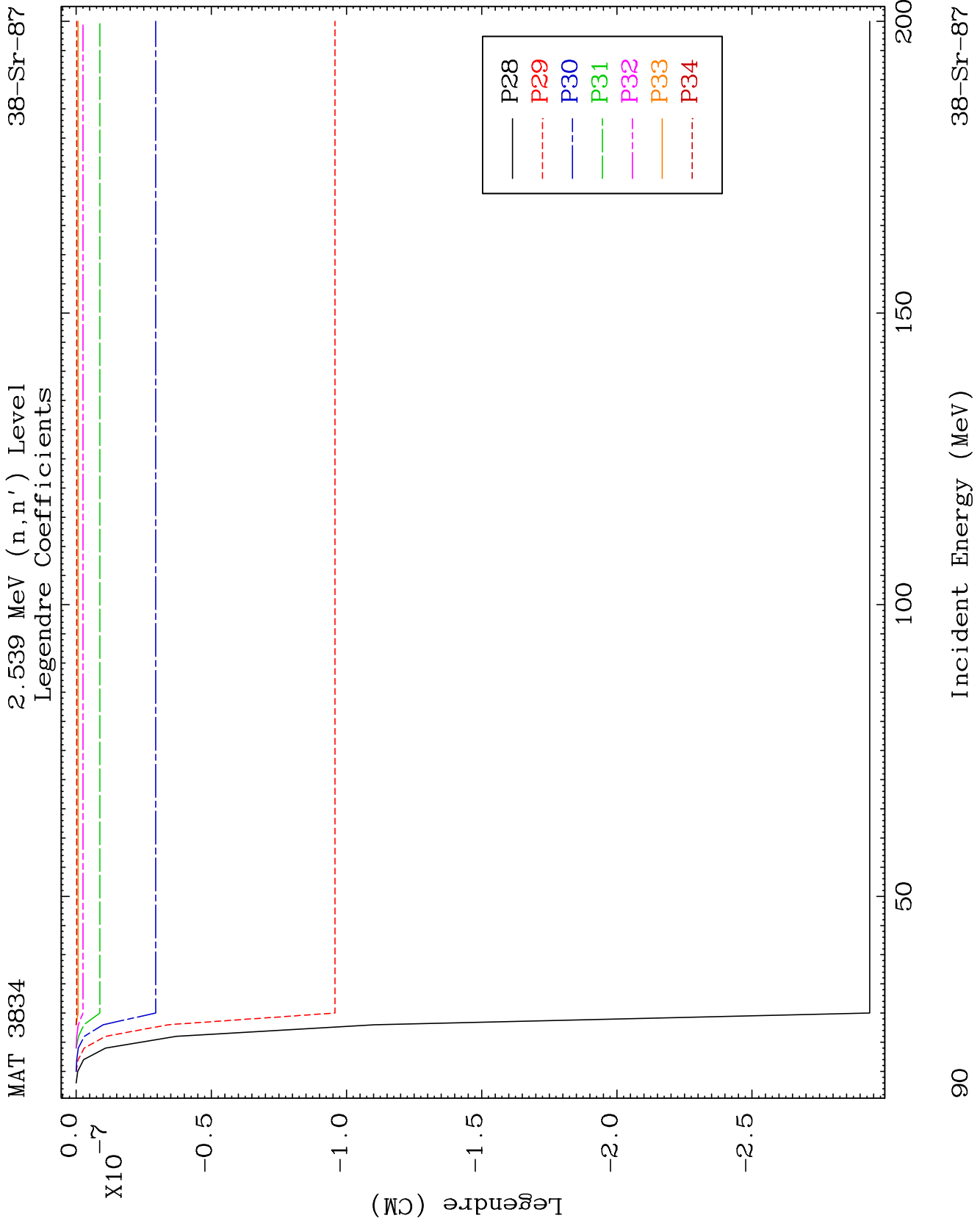
87

Incident Energy (MeV)

38-Sr-87



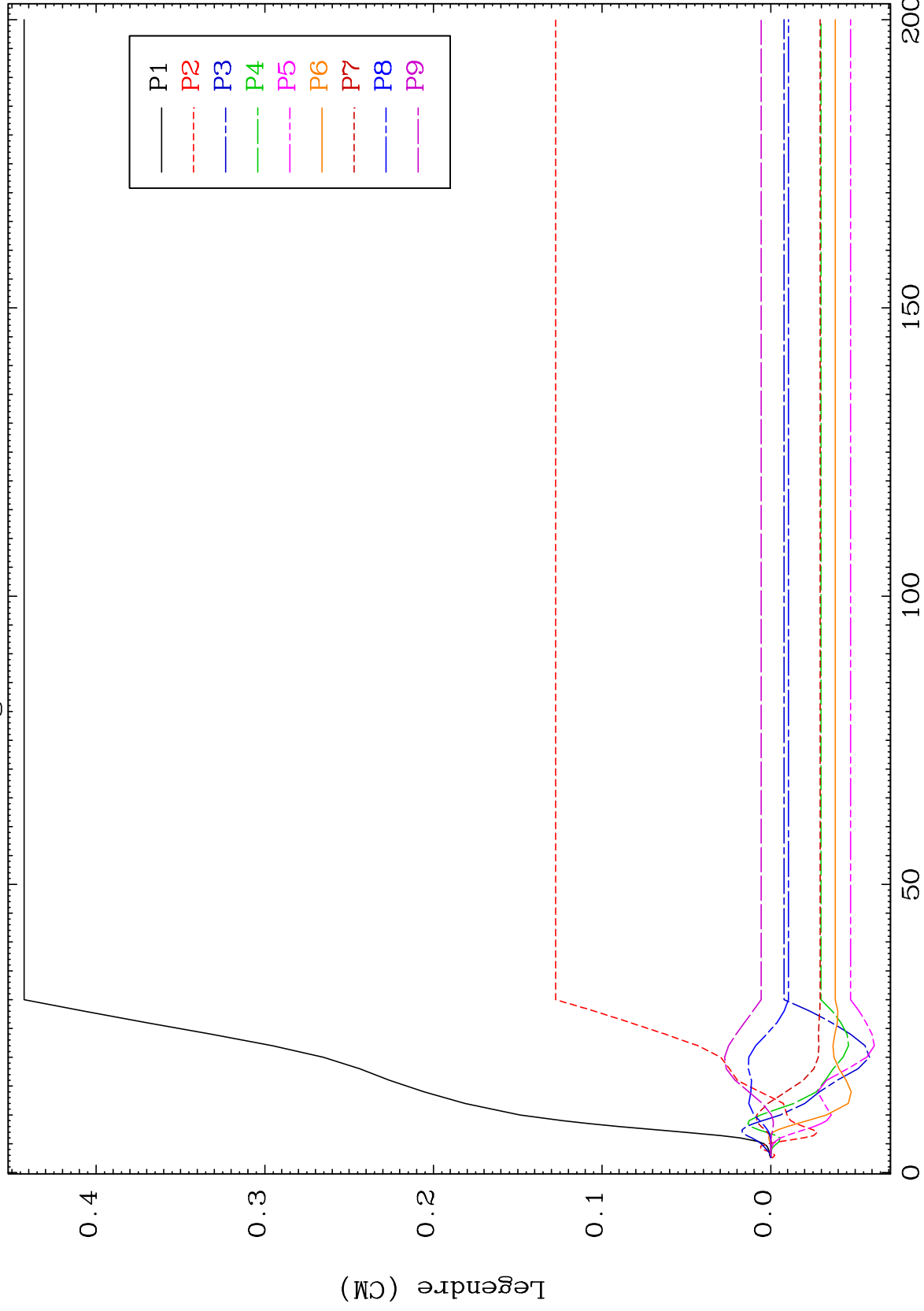




MAT 3834

2.550 MeV (n,n') Level
Legendre Coefficients

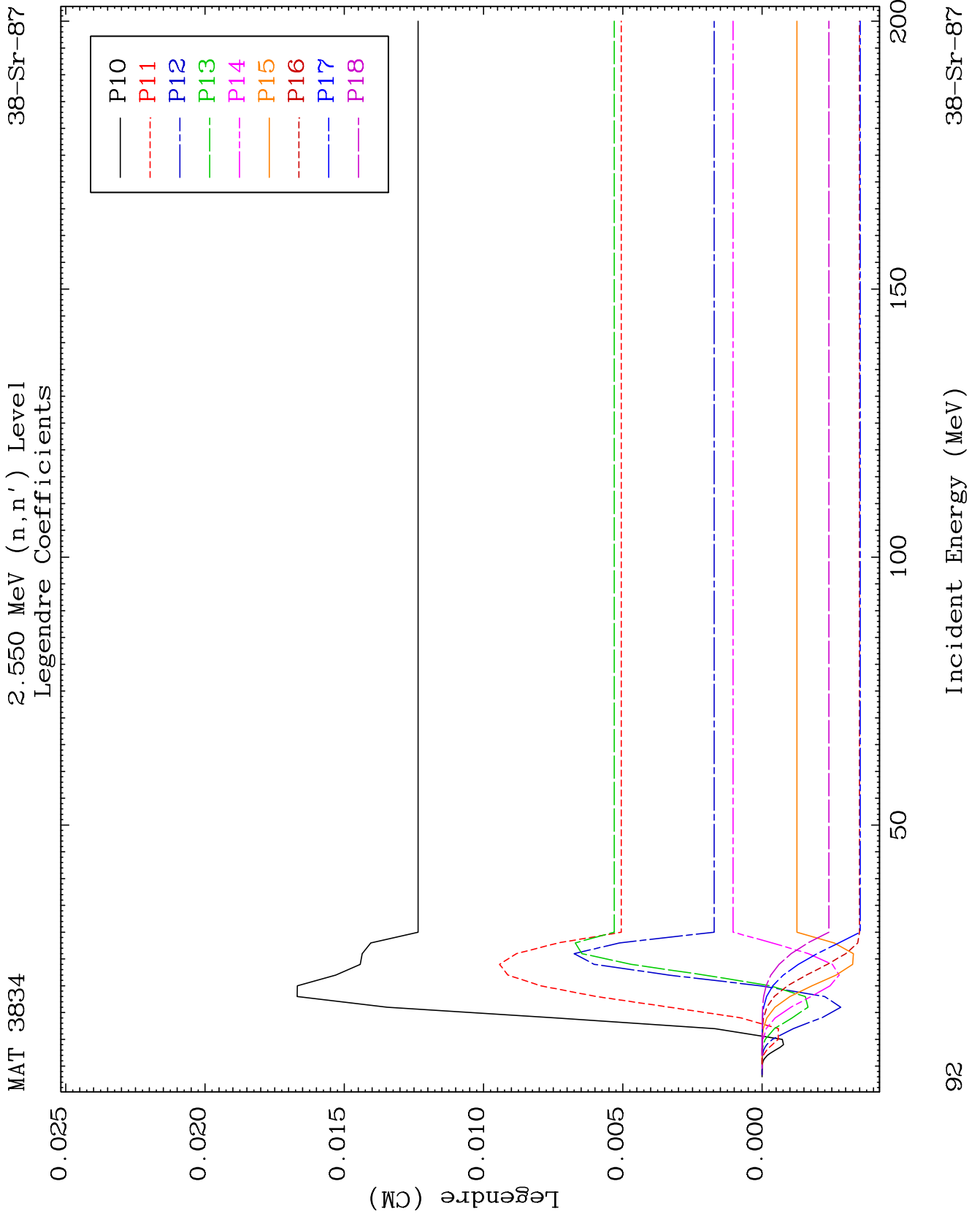
38-Sr-87

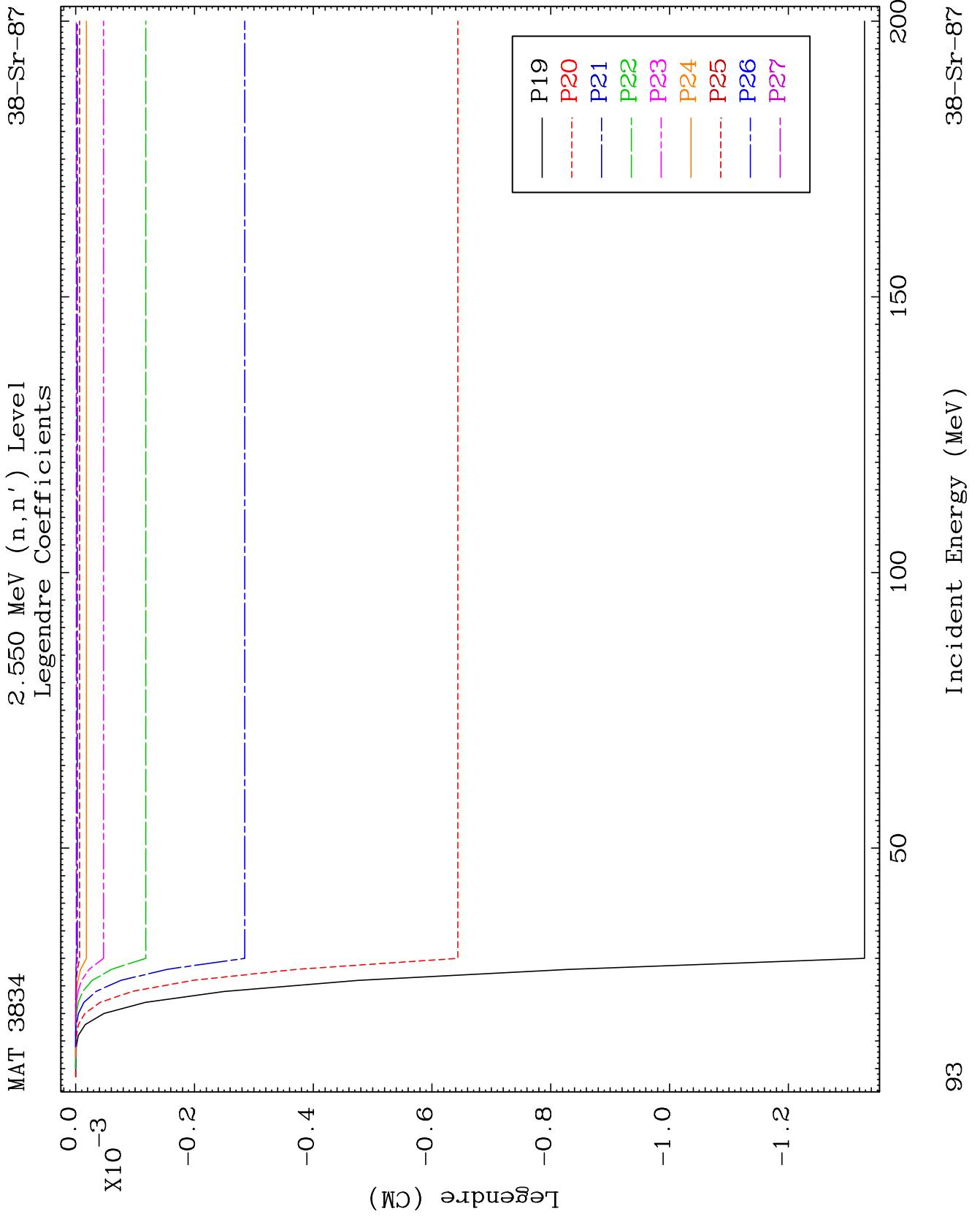


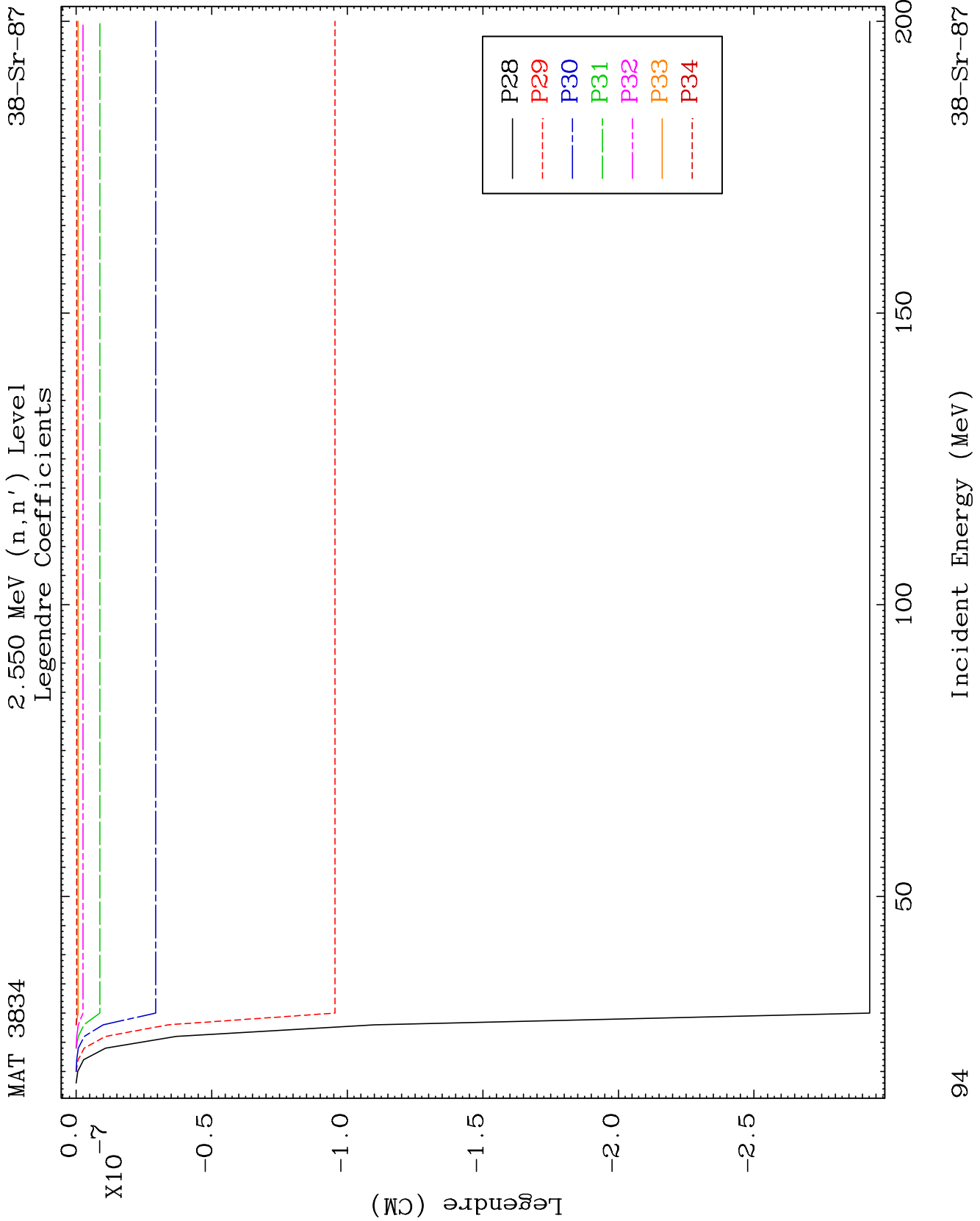
91

Incident Energy (MeV)

38-Sr-87



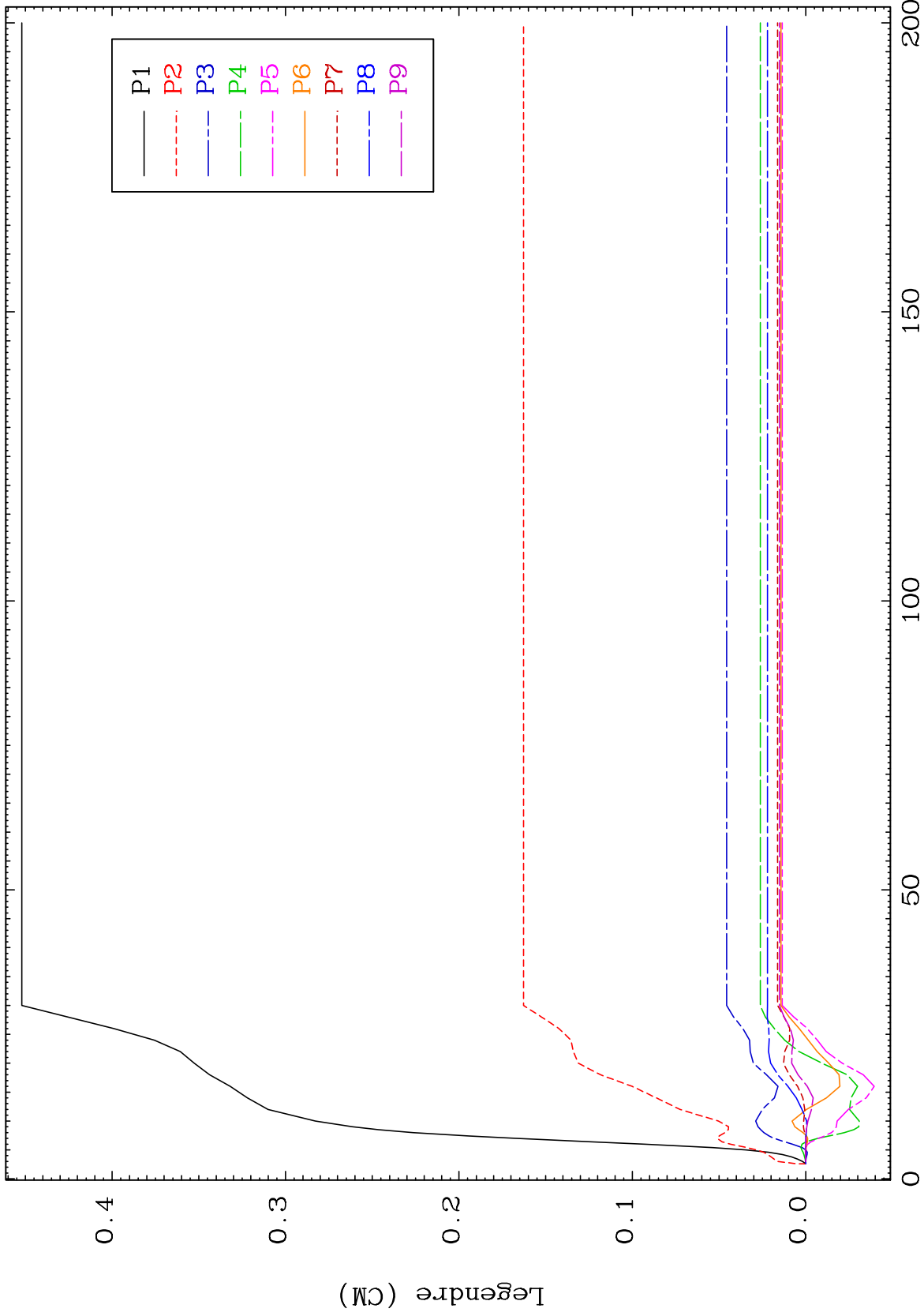




MAT 3834

2.555 MeV (n,n') Level
Legendre Coefficients

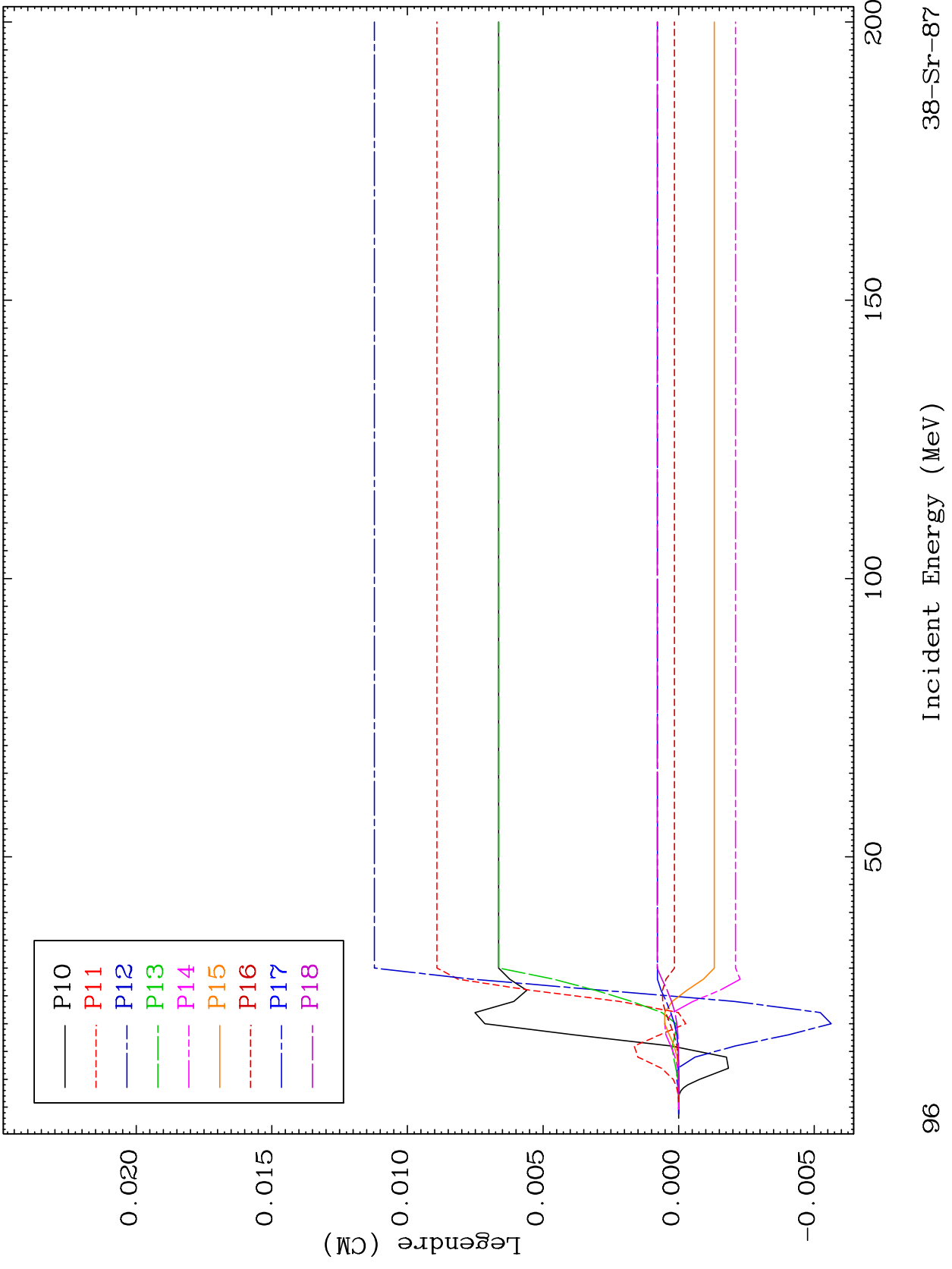
38-Sr-87



95

Incident Energy (MeV)

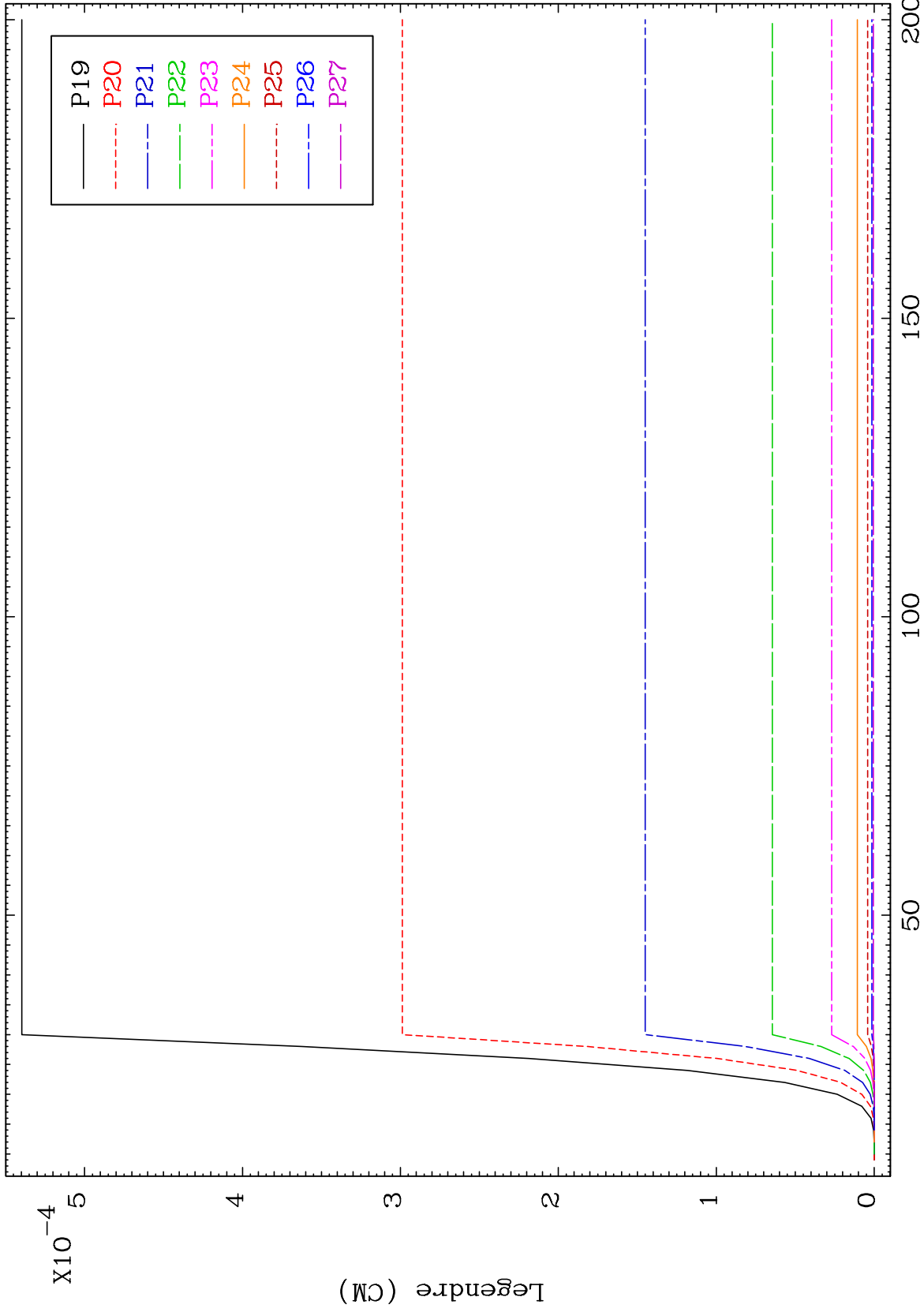
38-Sr-87



MAT 3834

2.555 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



97

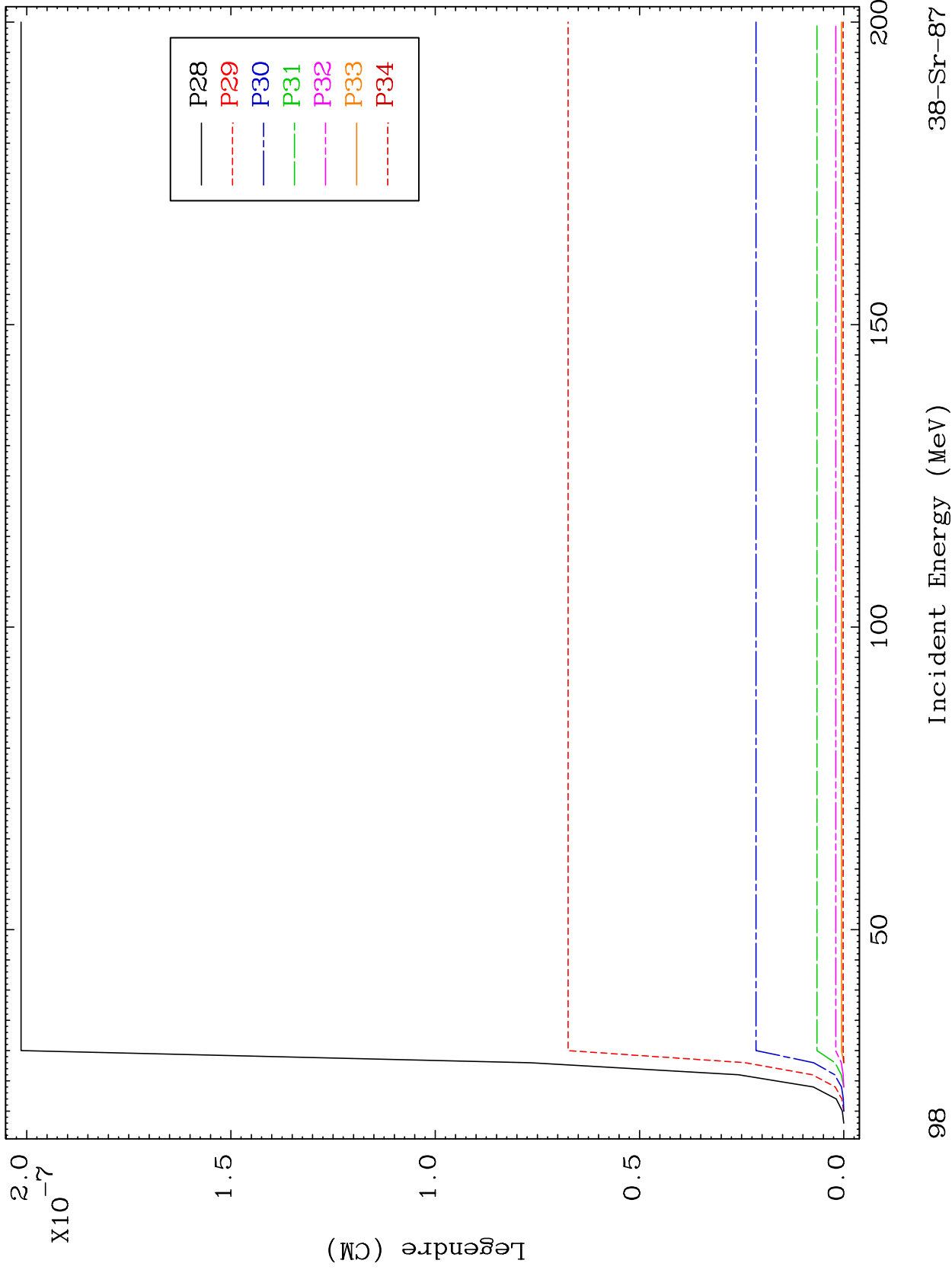
Incident Energy (MeV)

38-Sr-87

MAT 3834

2.555 MeV (n,n') Level
Legendre Coefficients

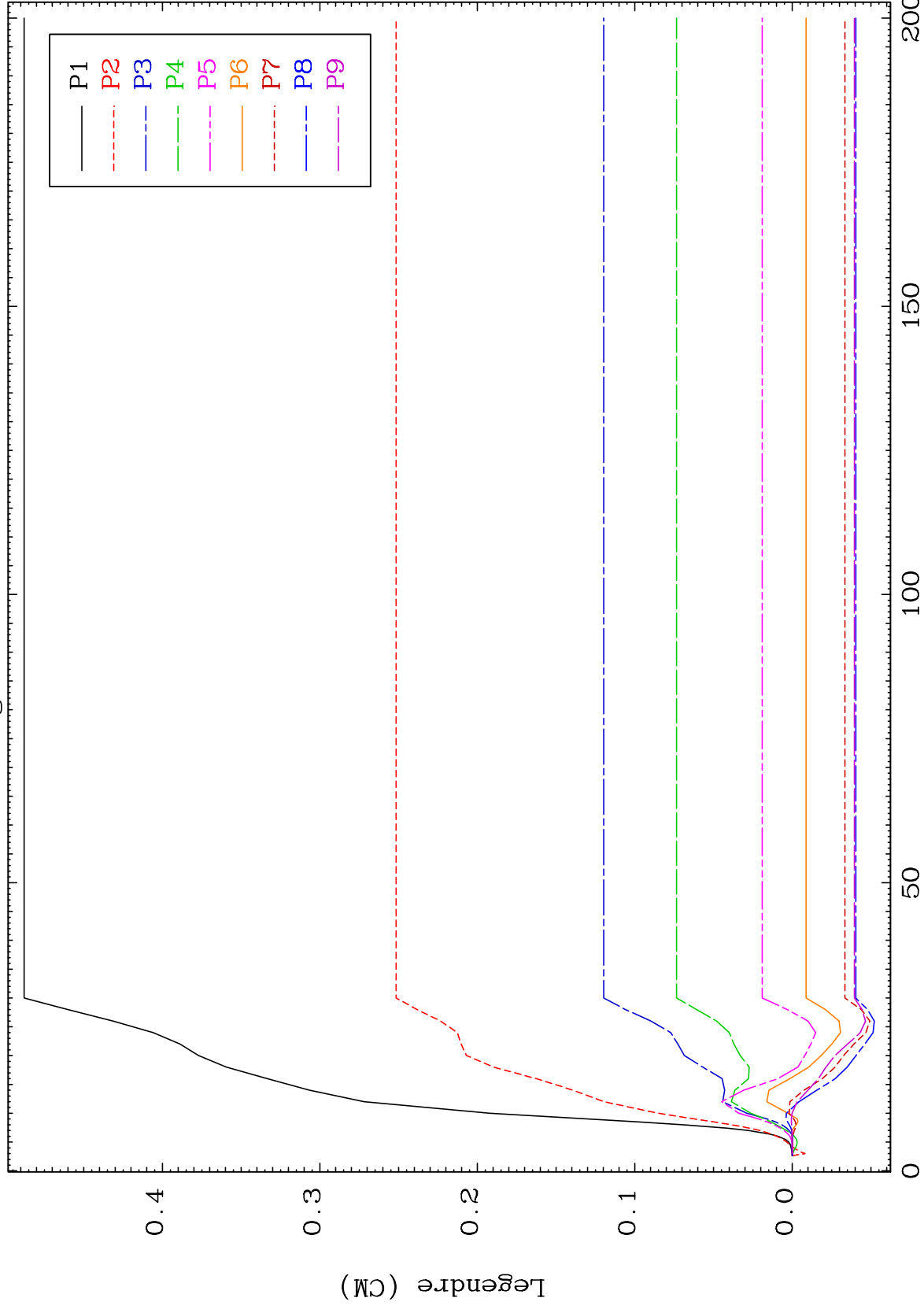
38-Sr-87



MAT 3834

2.596 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



99

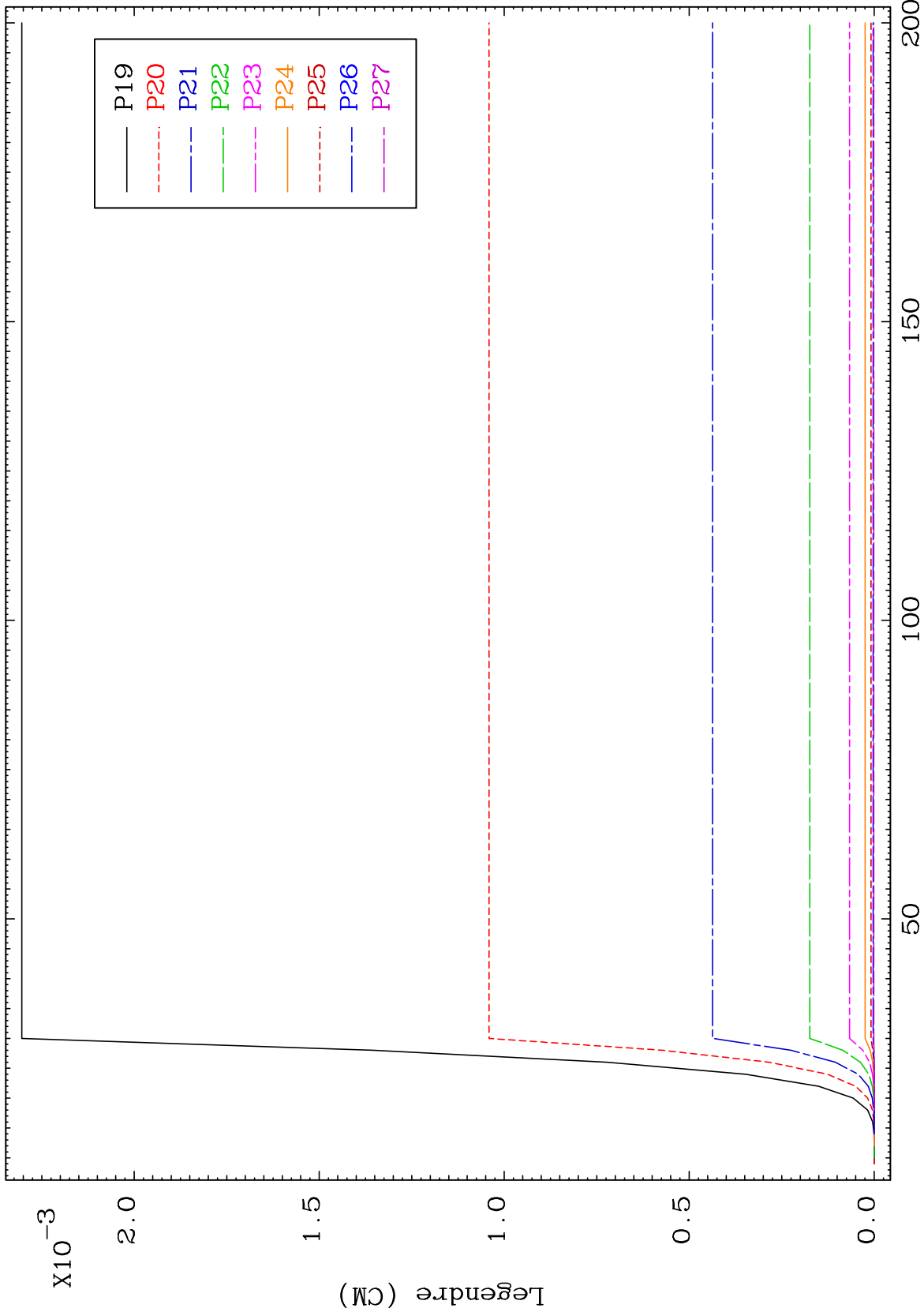
Incident Energy (MeV)

38-Sr-87

MAT 3834

2.596 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



101

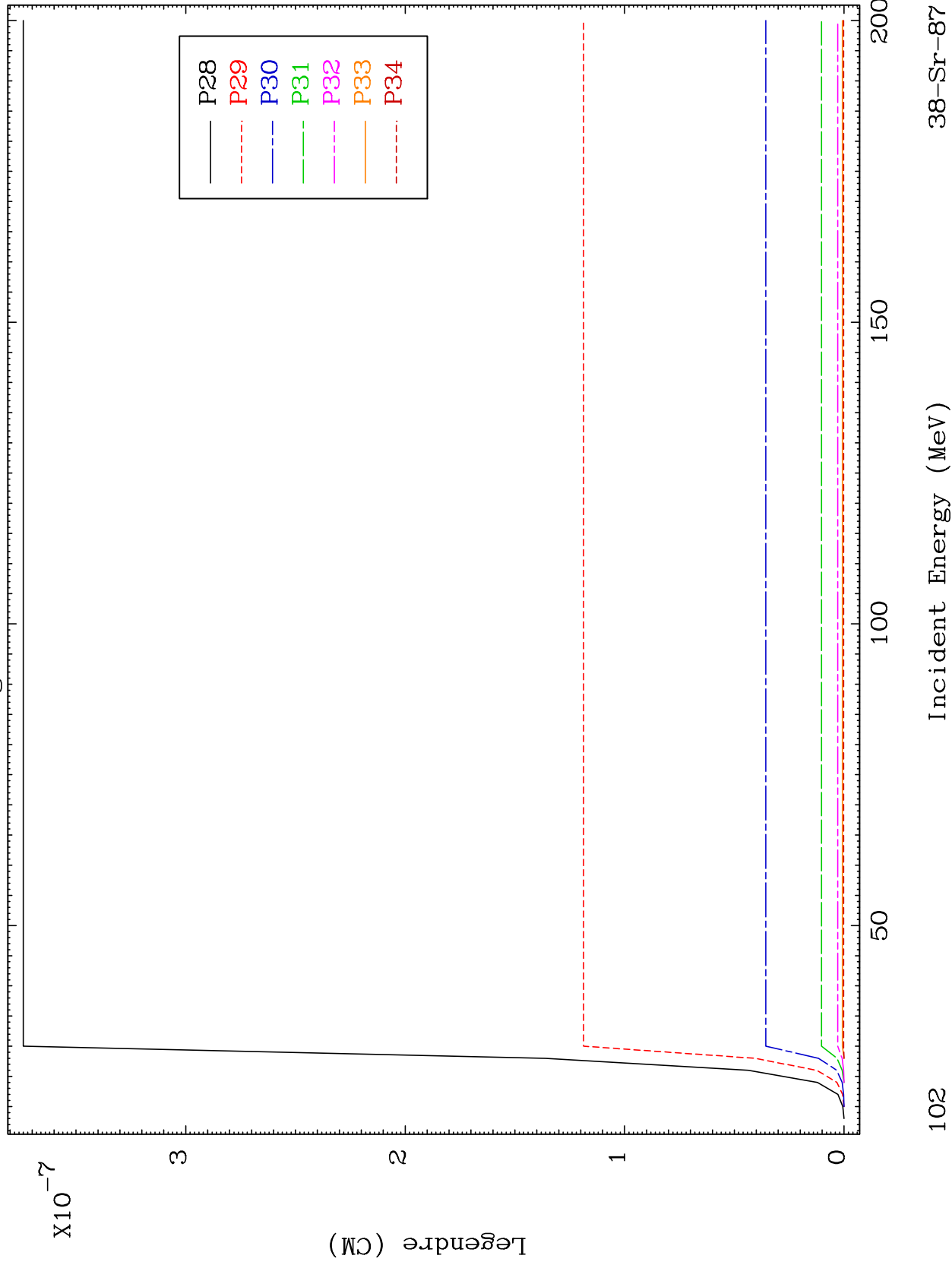
Incident Energy (MeV)

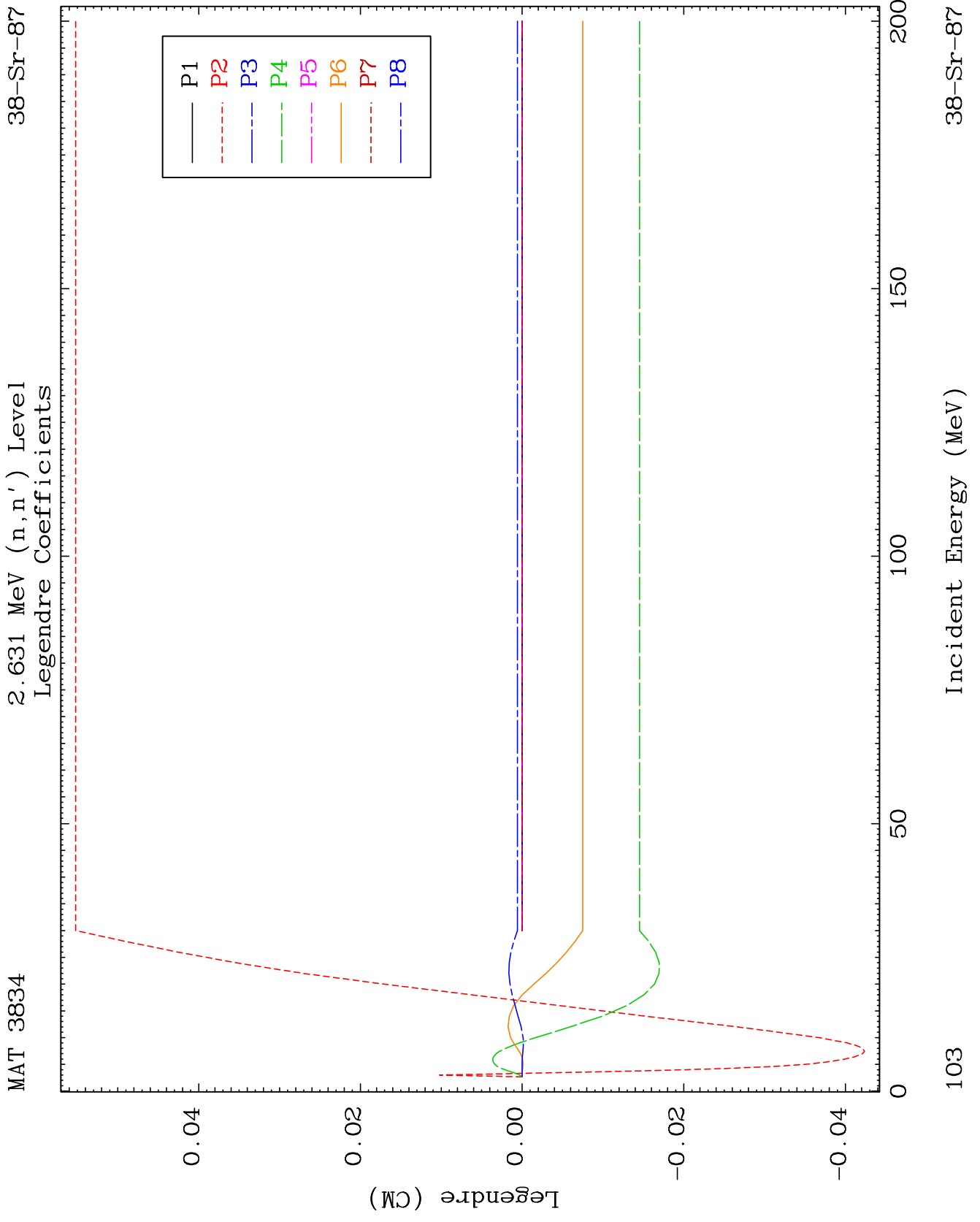
38-Sr-87

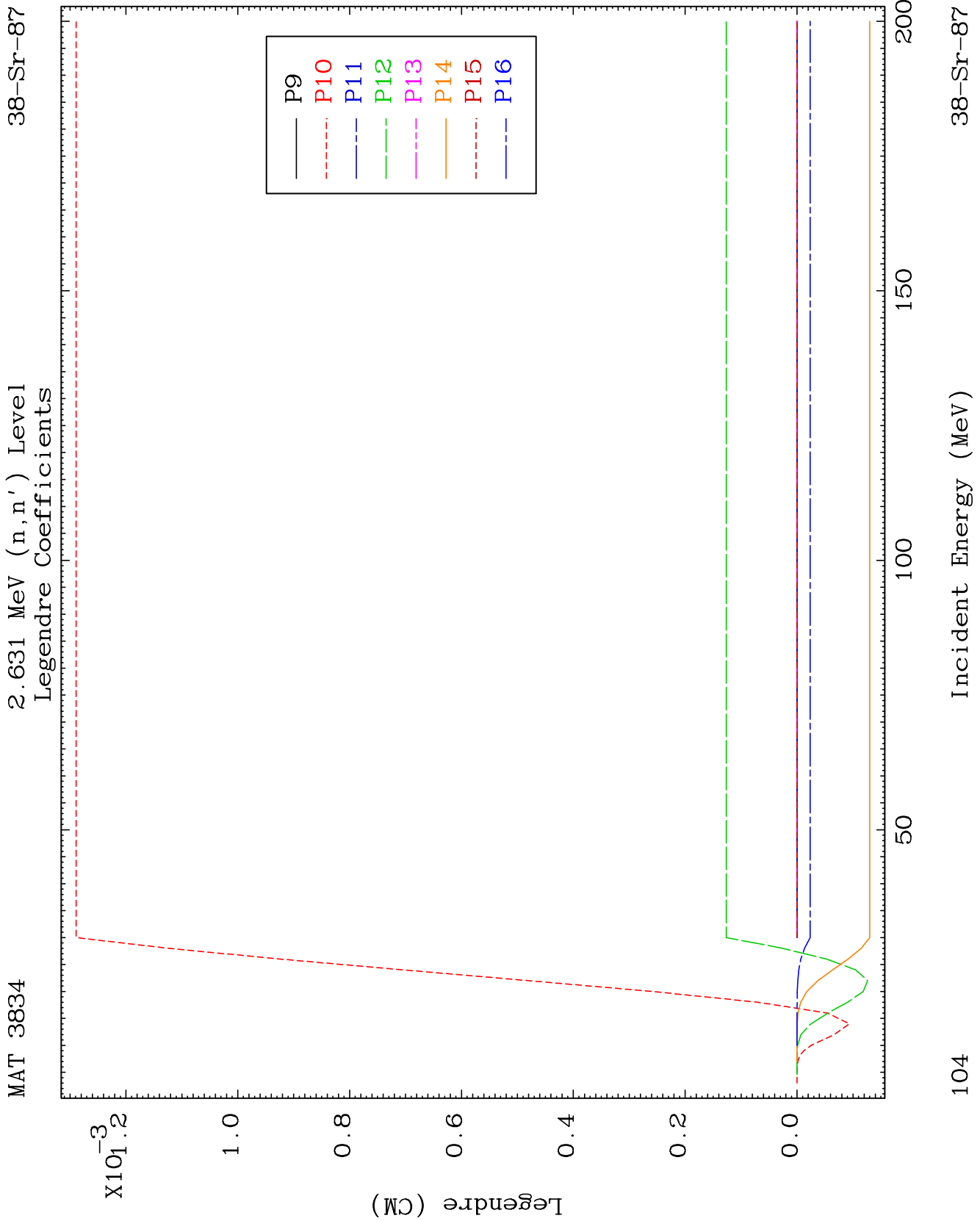
MAT 3834

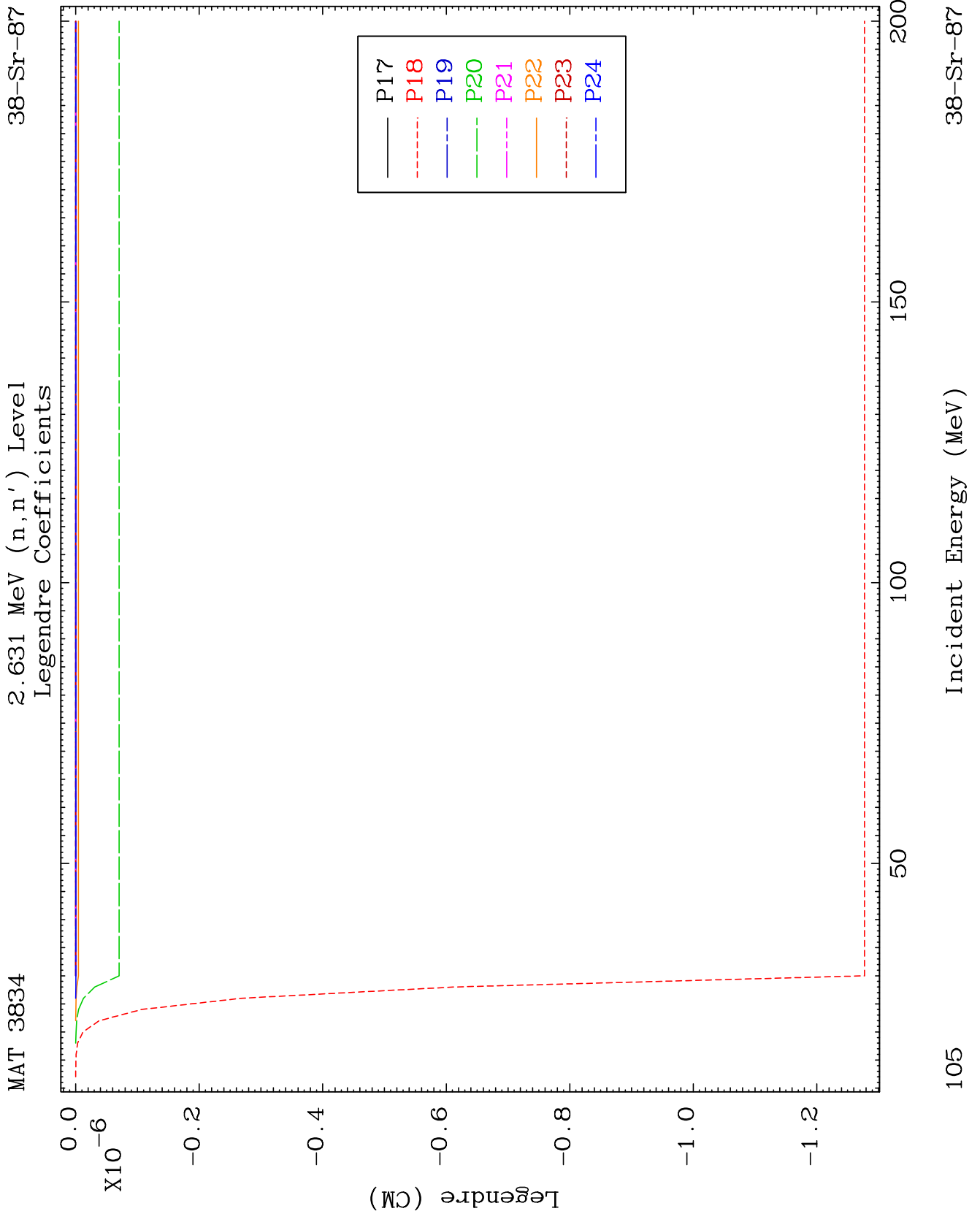
2.596 MeV (n,n') Level
Legendre Coefficients

38-Sr-87





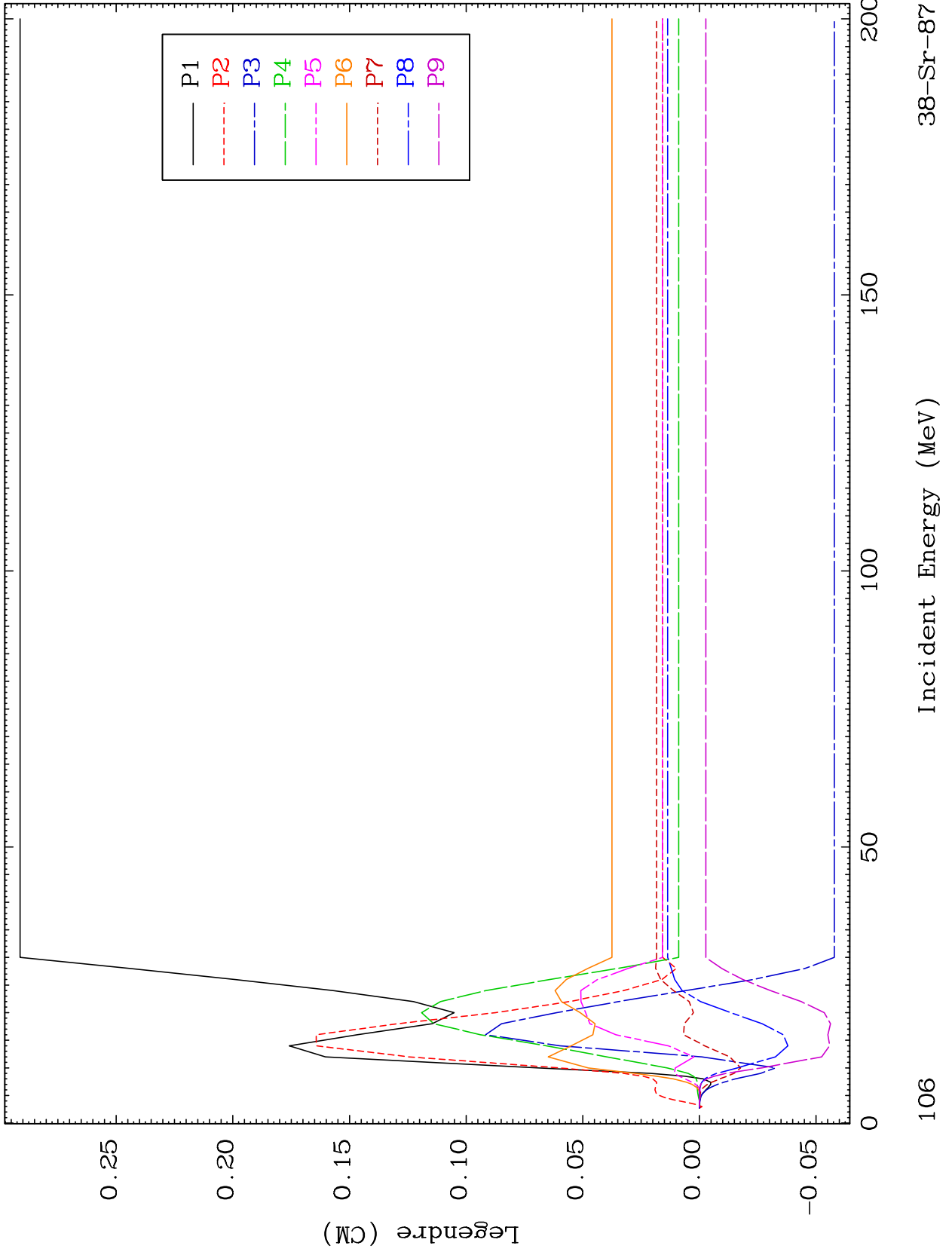




MAT 3834

2.656 MeV (n,n') Level
Legendre Coefficients

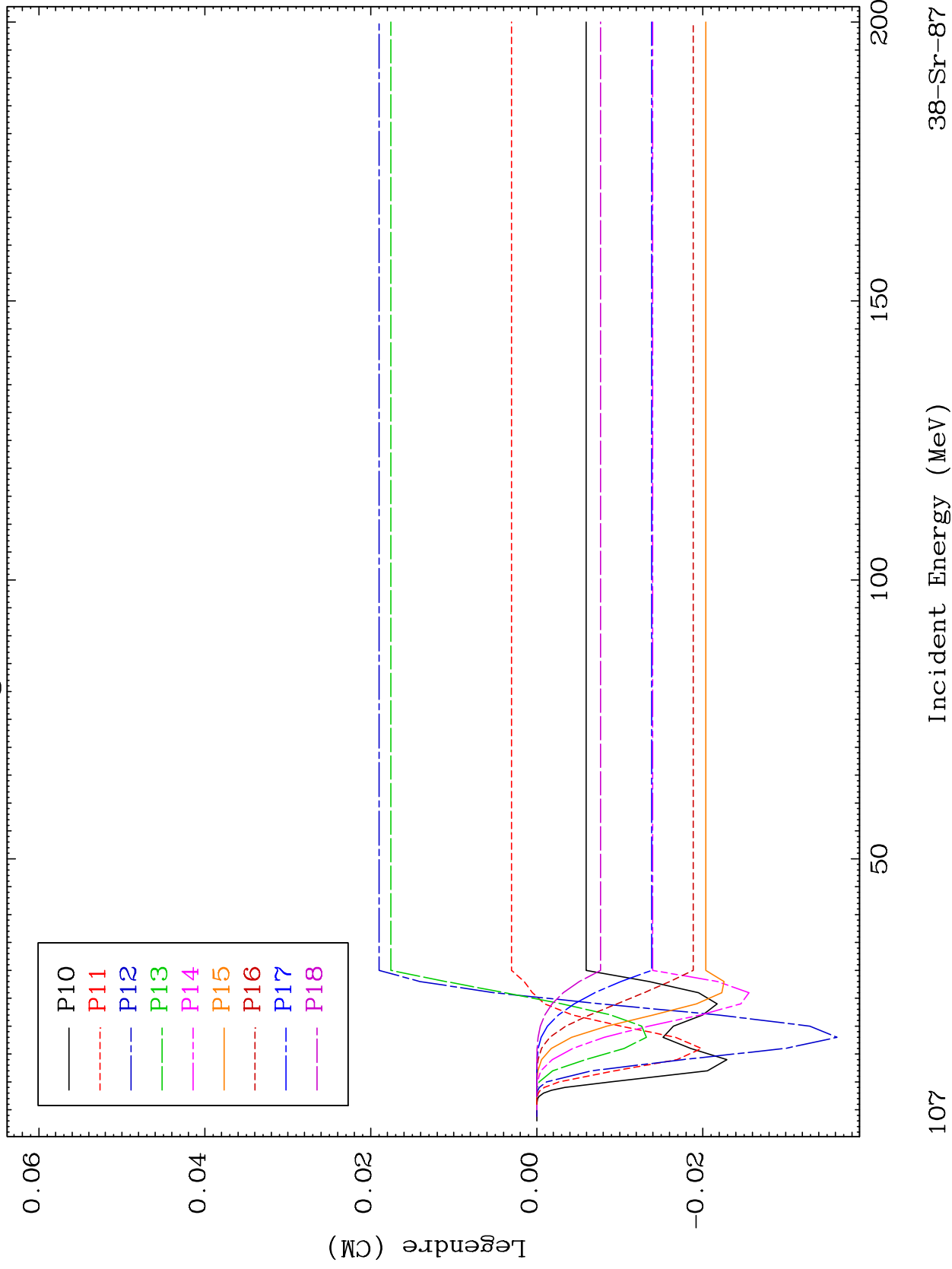
38-Sr-87

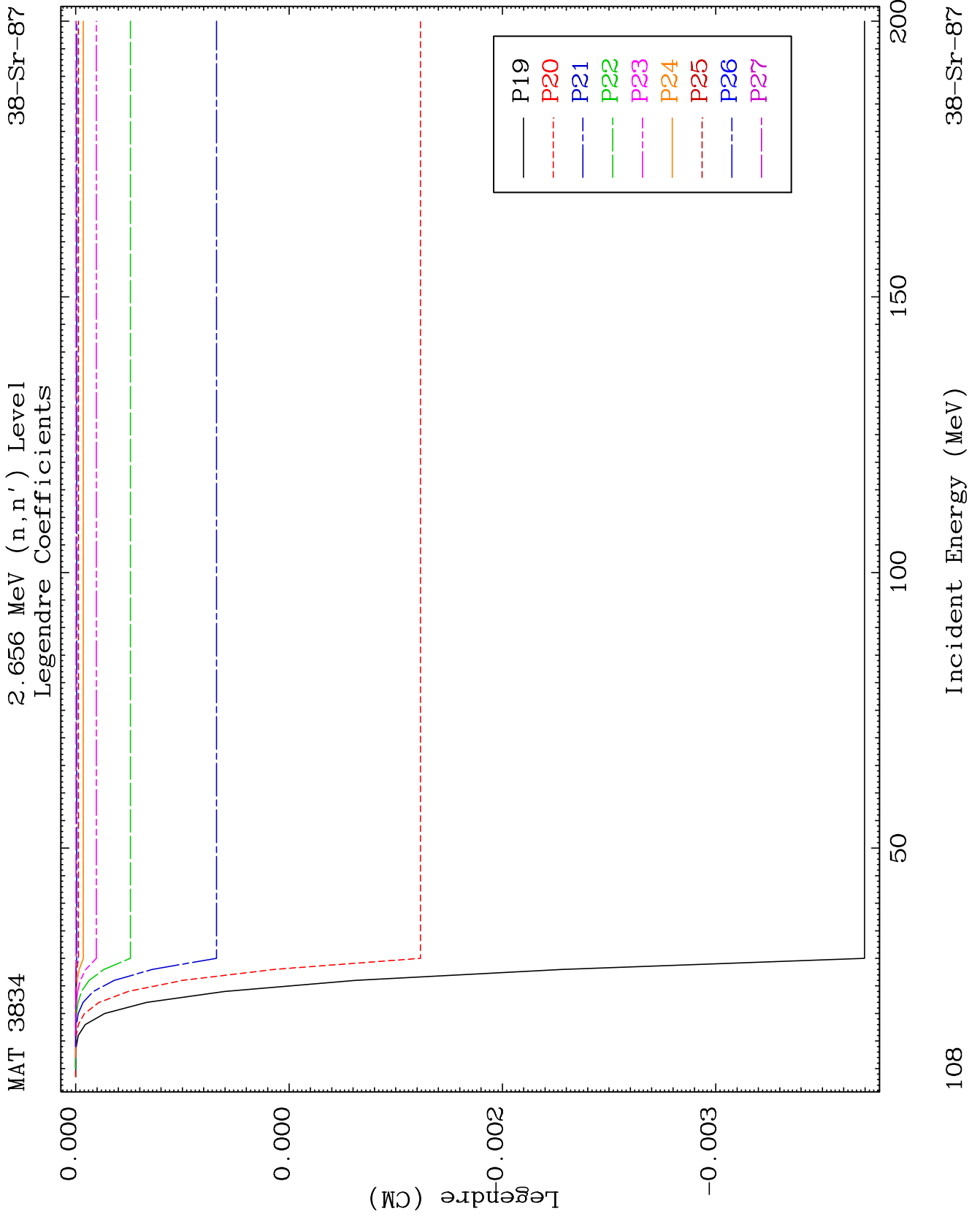


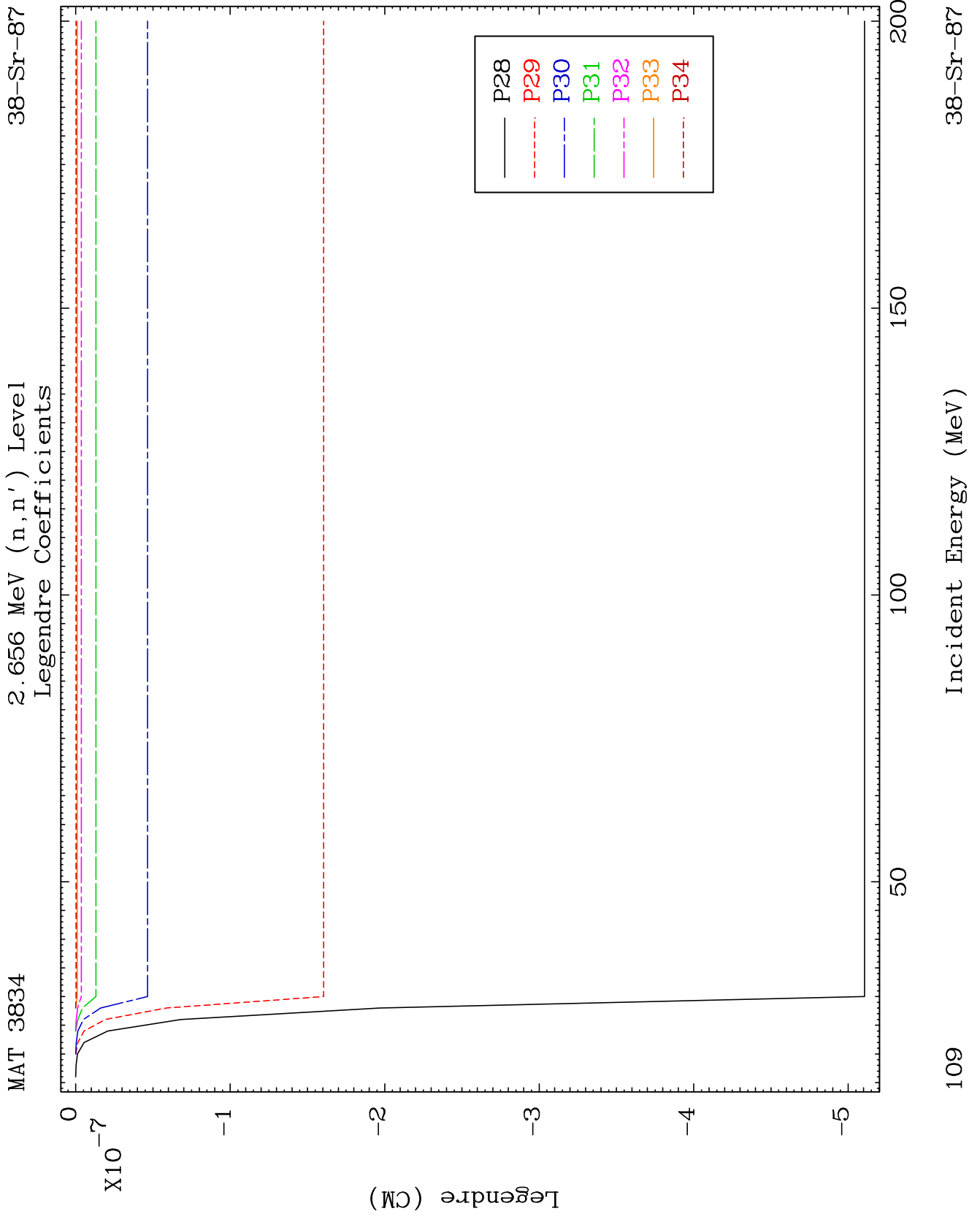
38-Sr-87

Incident Energy (MeV)

106



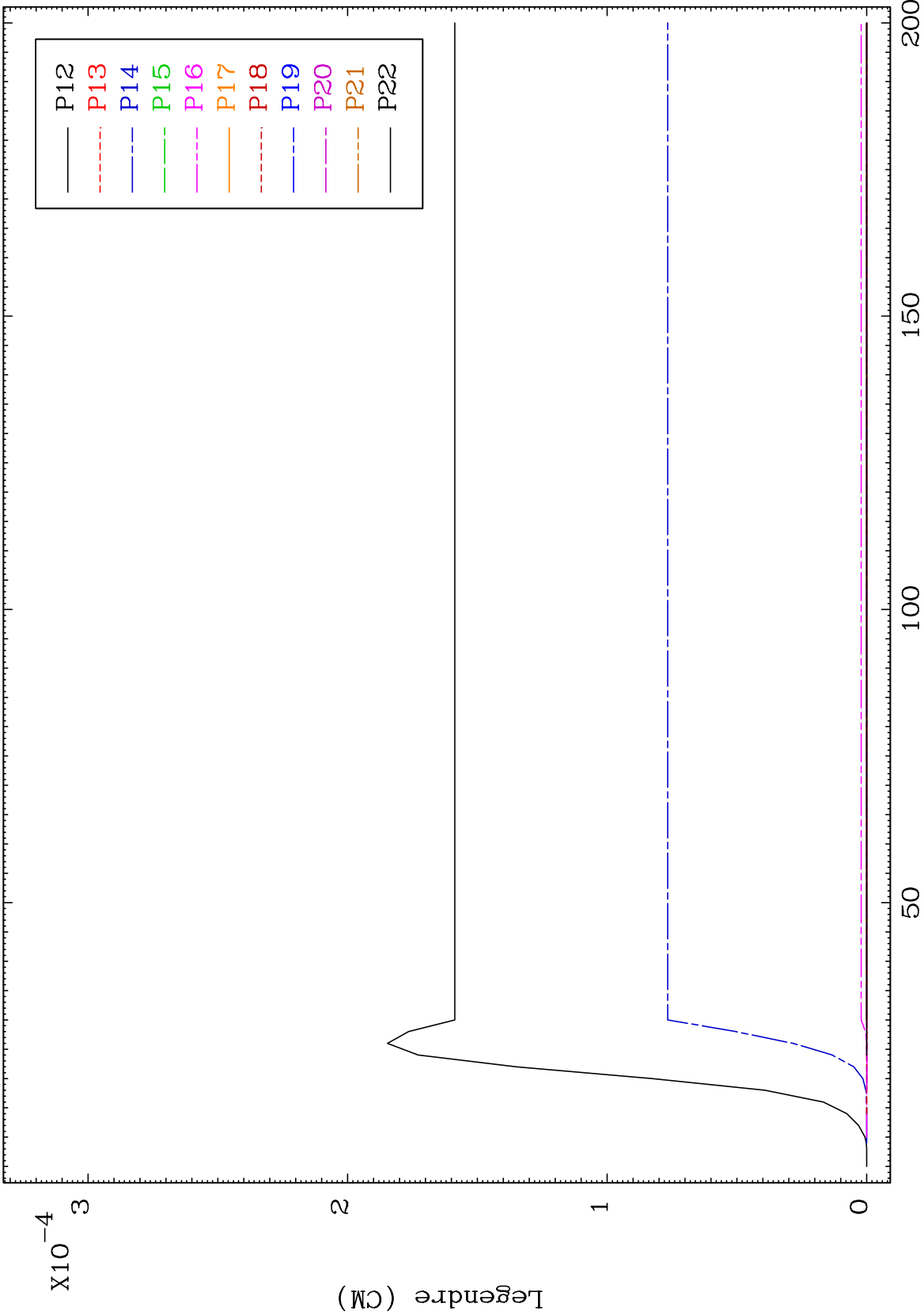




MAT 3834

2.677 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



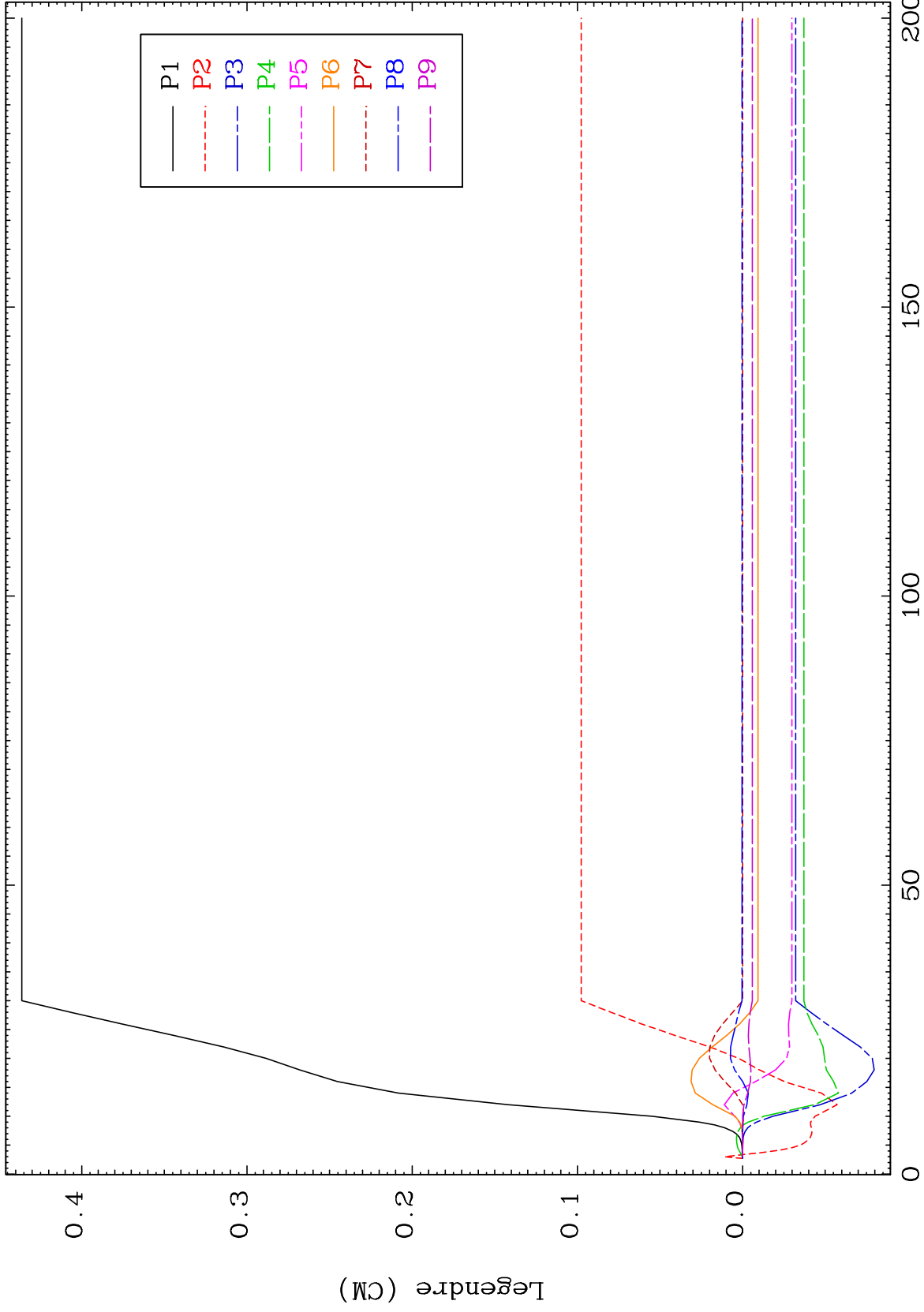
111

38-Sr-87

MAT 3834

2.679 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



112

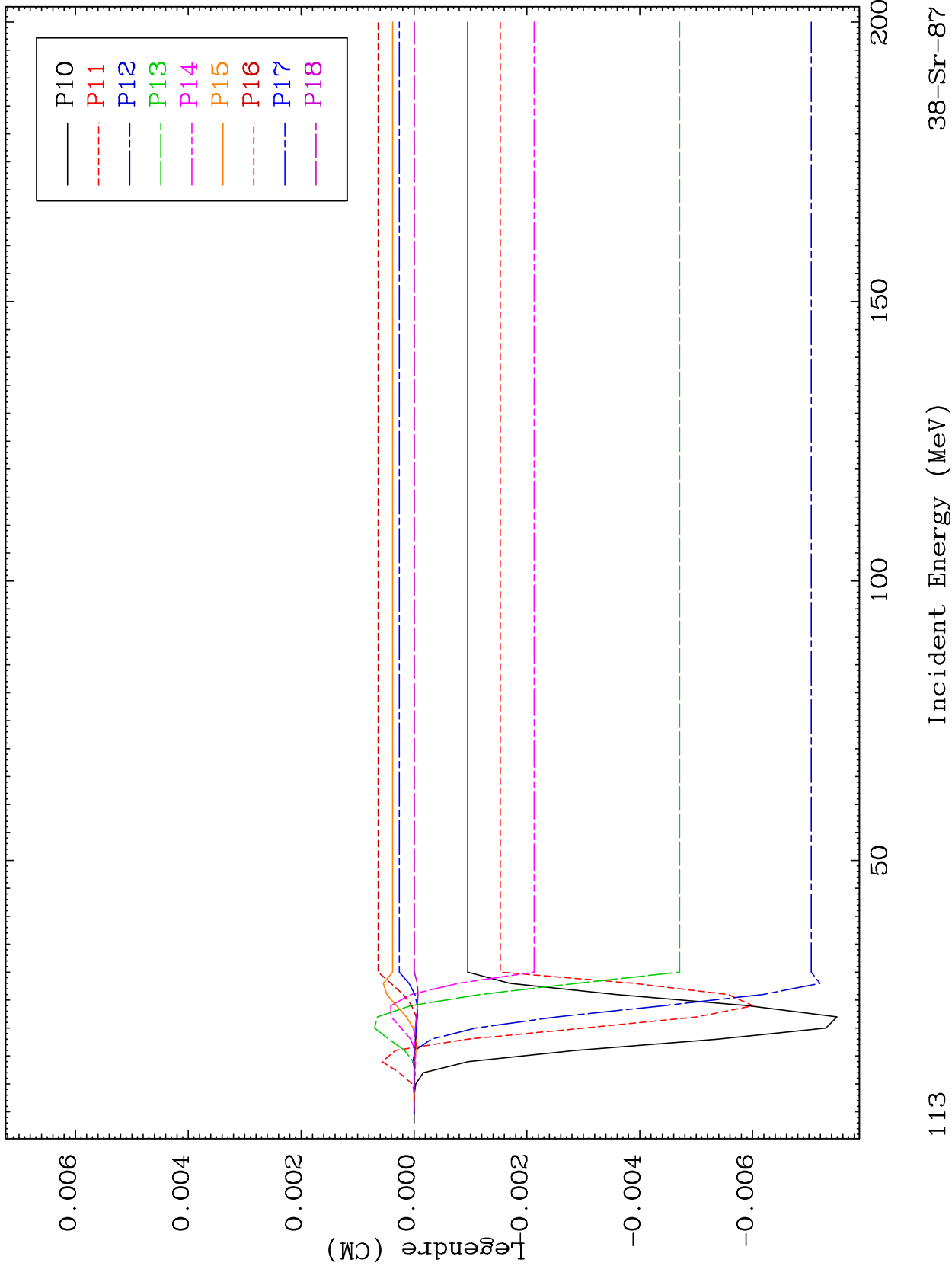
Incident Energy (MeV)

38-Sr-87

MAT 3834

2.679 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



113

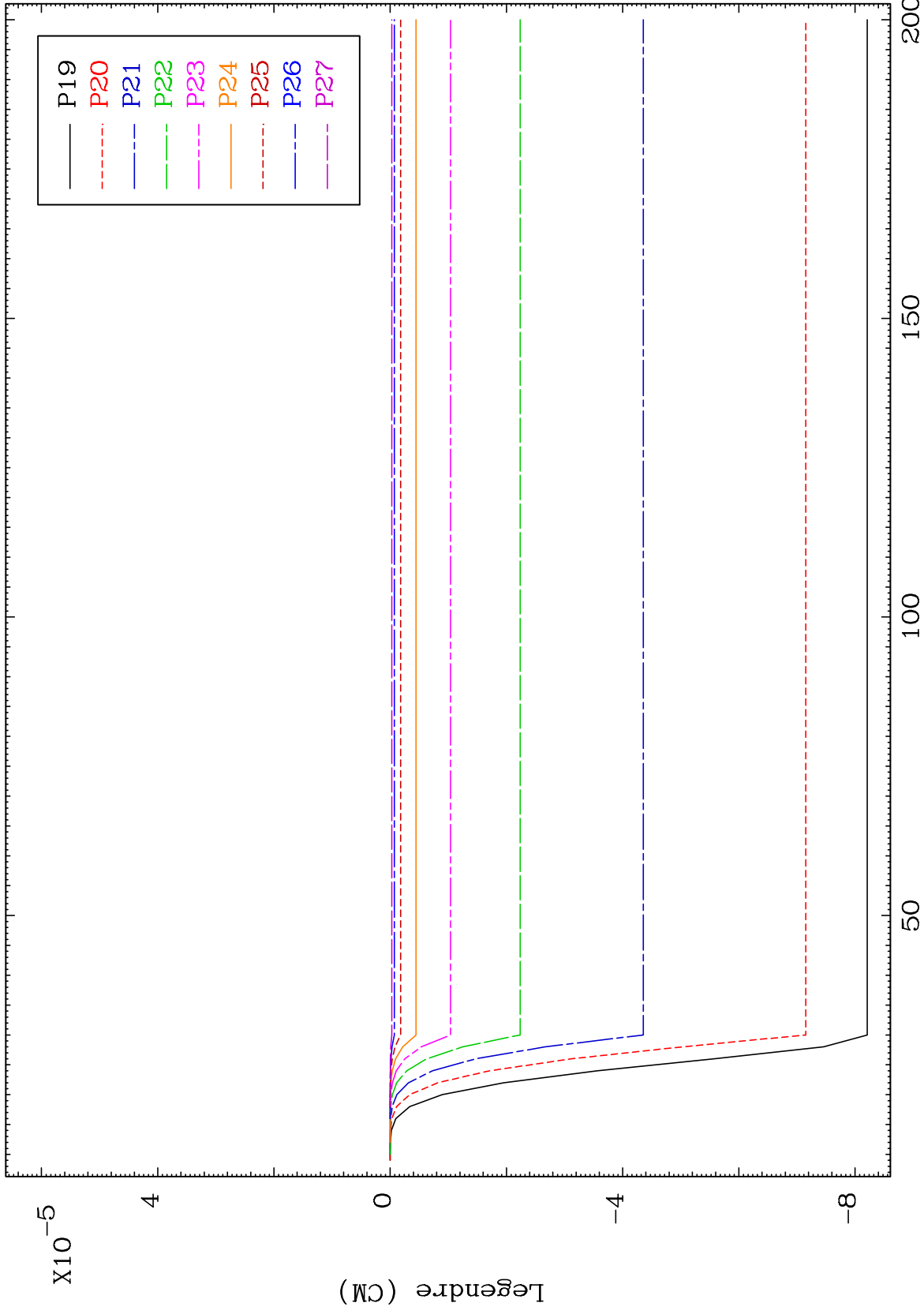
Incident Energy (MeV)

38-Sr-87

MAT 3834

2.679 MeV (n,n') Level
Legendre Coefficients

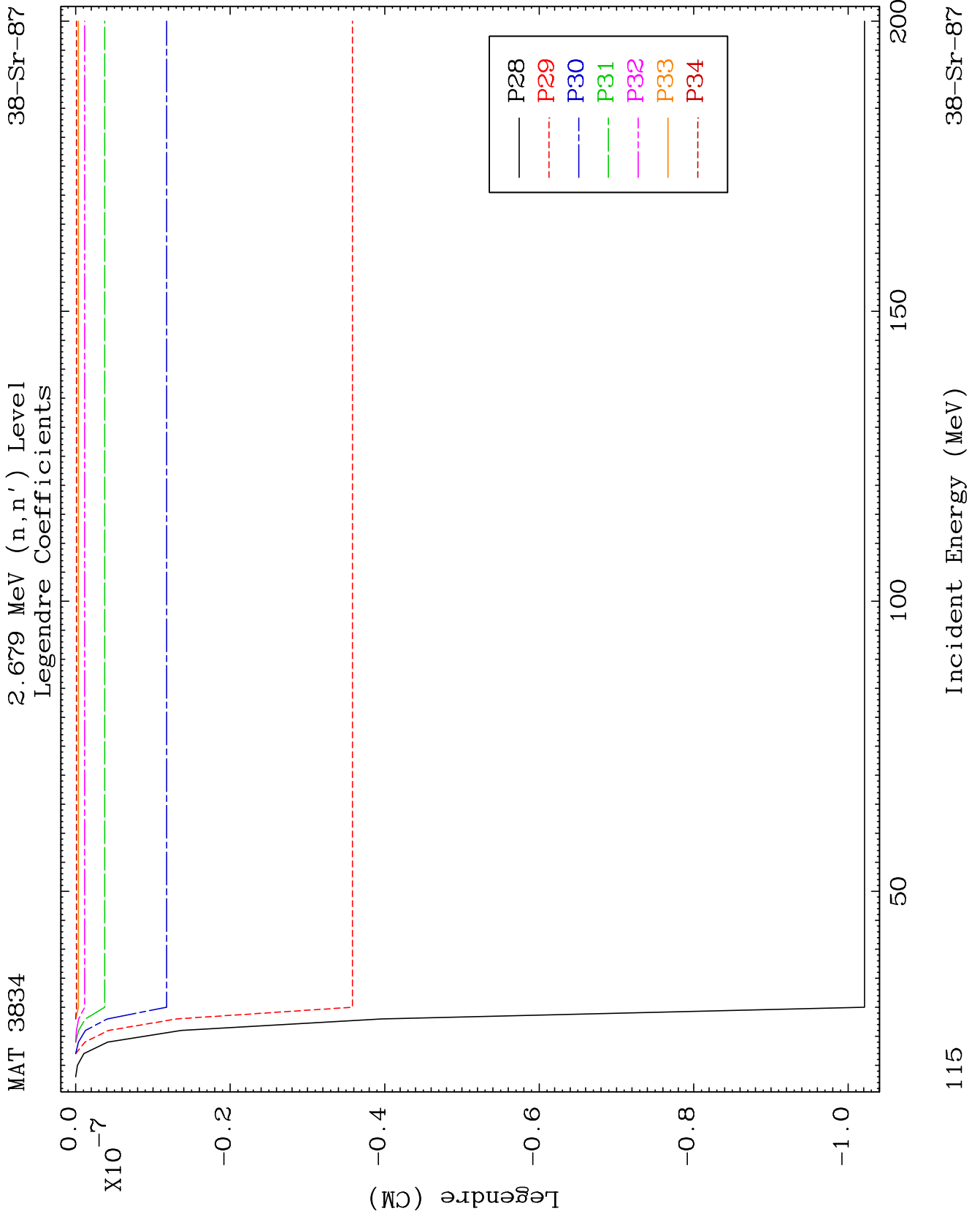
38-Sr-87



114

Incident Energy (MeV)

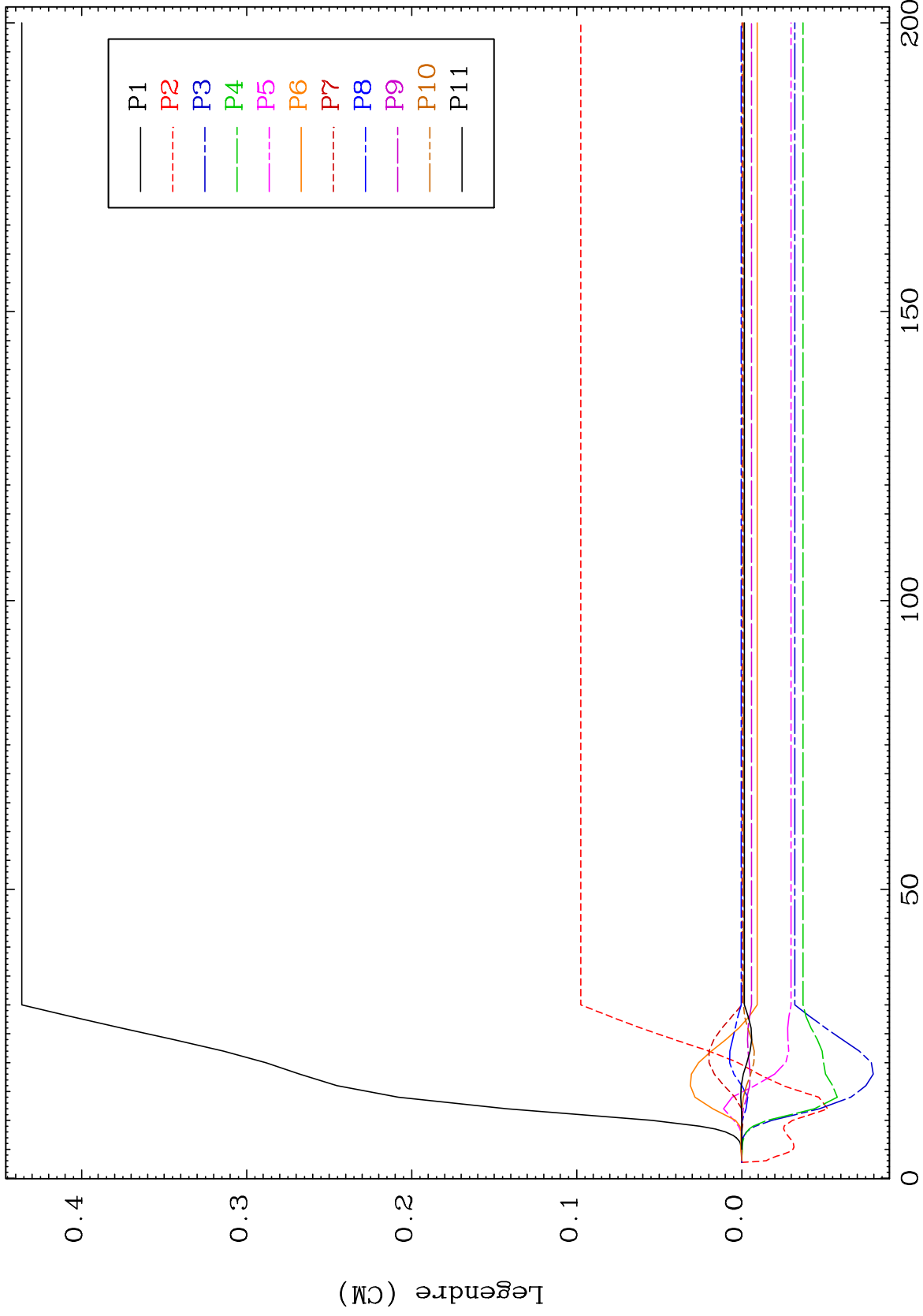
38-Sr-87



MAT 3834

2.682 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



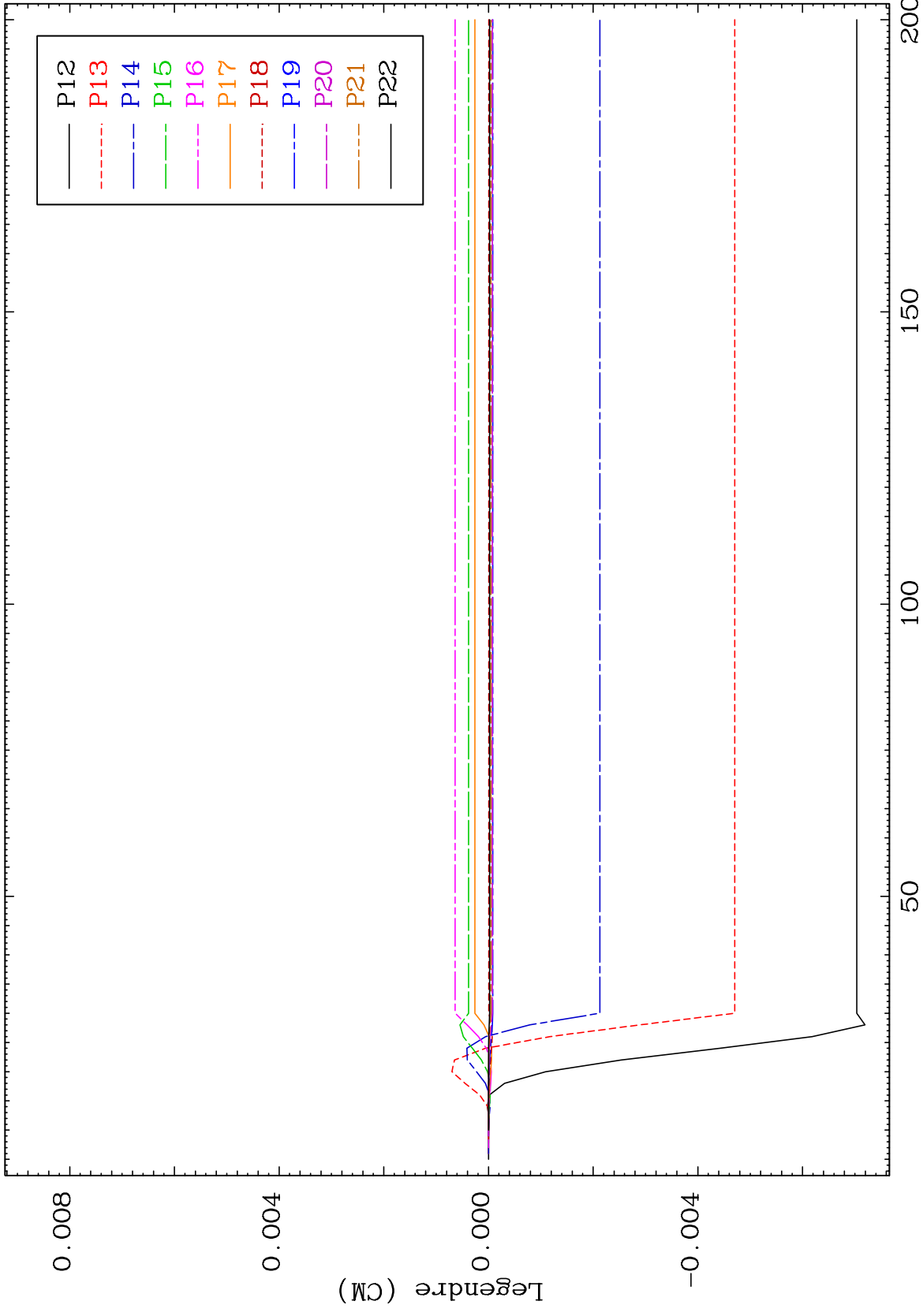
116

38-Sr-87

MAT 3834

2.682 MeV (n,n') Level
Legendre Coefficients

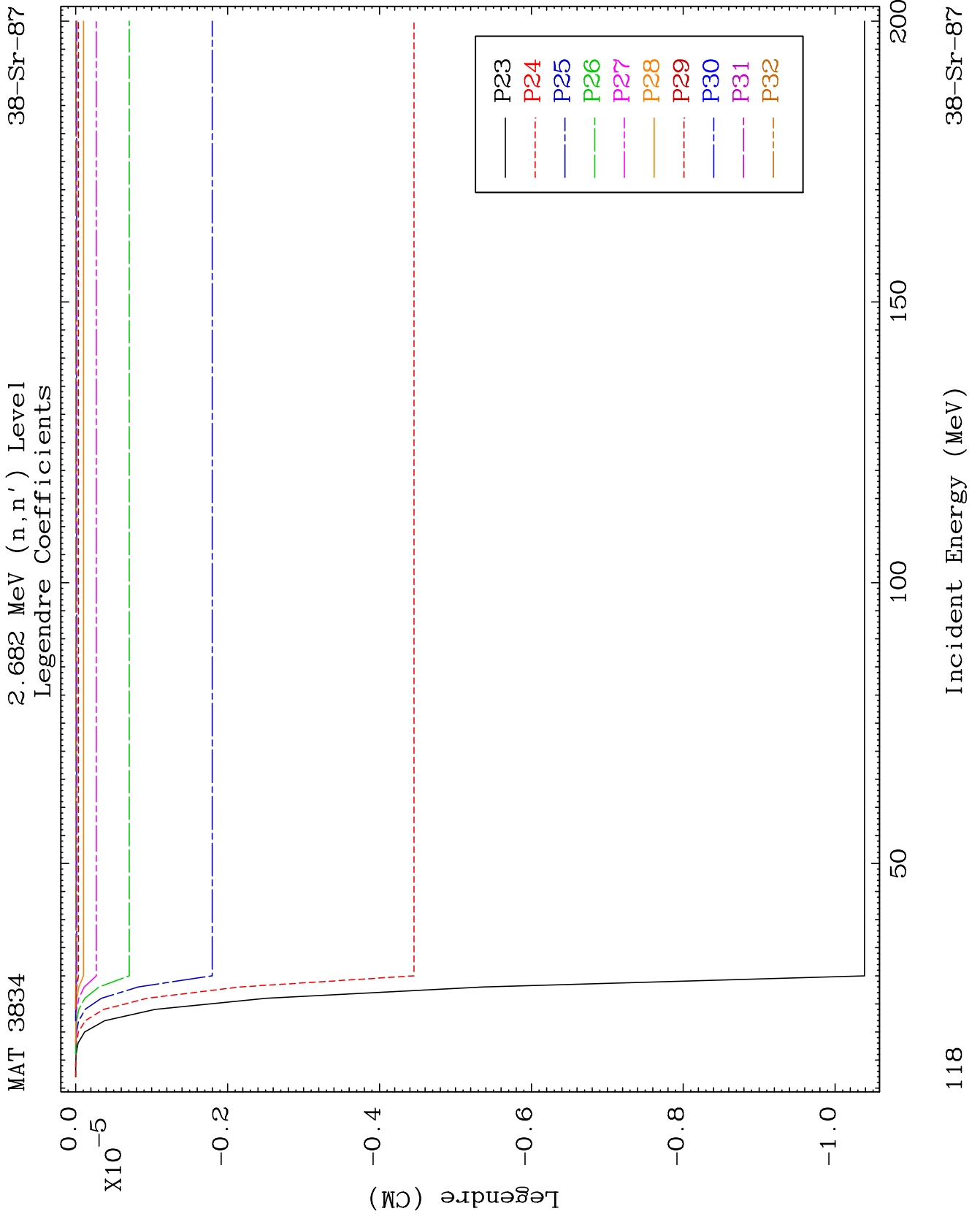
38-Sr-87



117

Incident Energy (MeV)

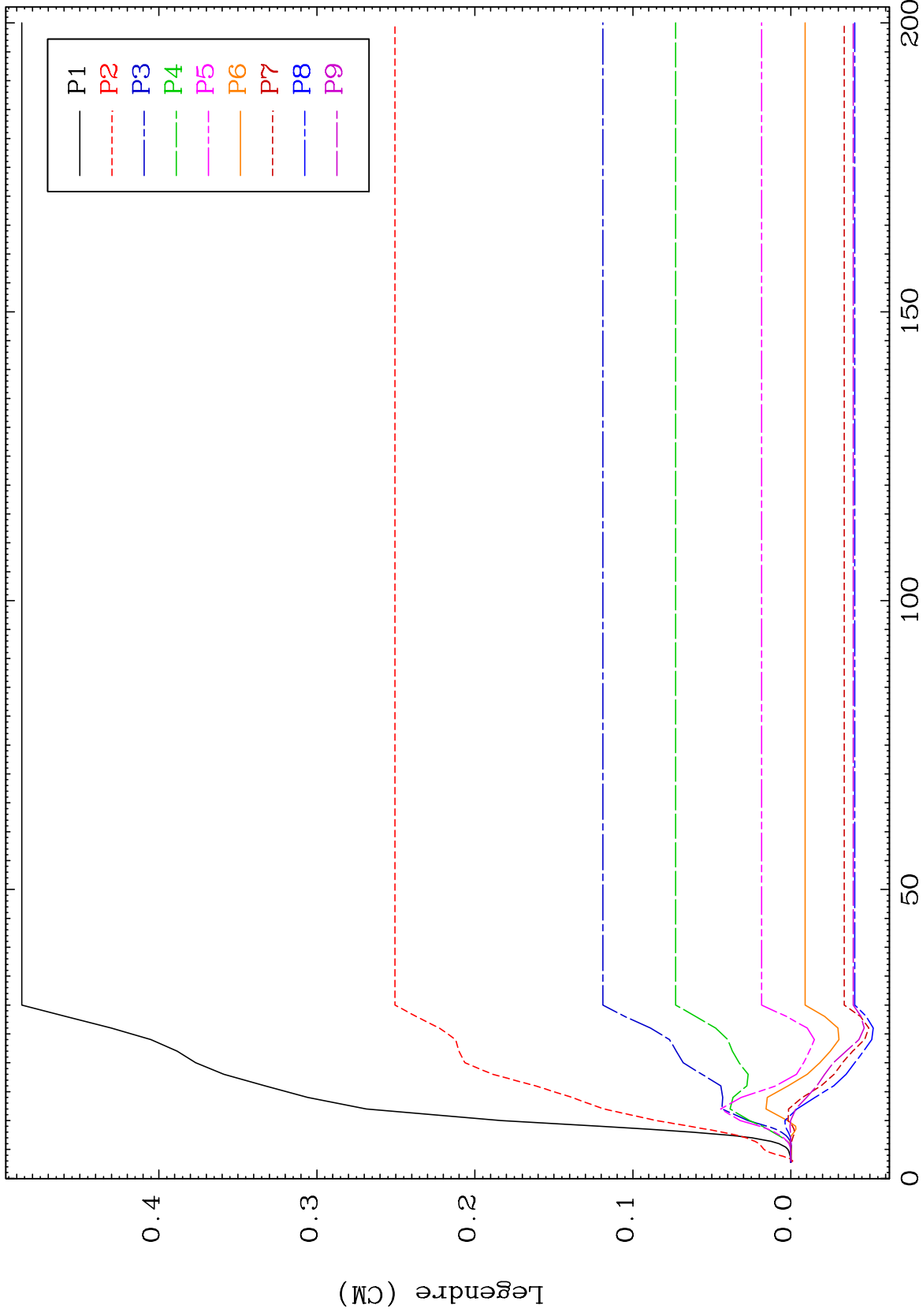
38-Sr-87



MAT 3834

2.707 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



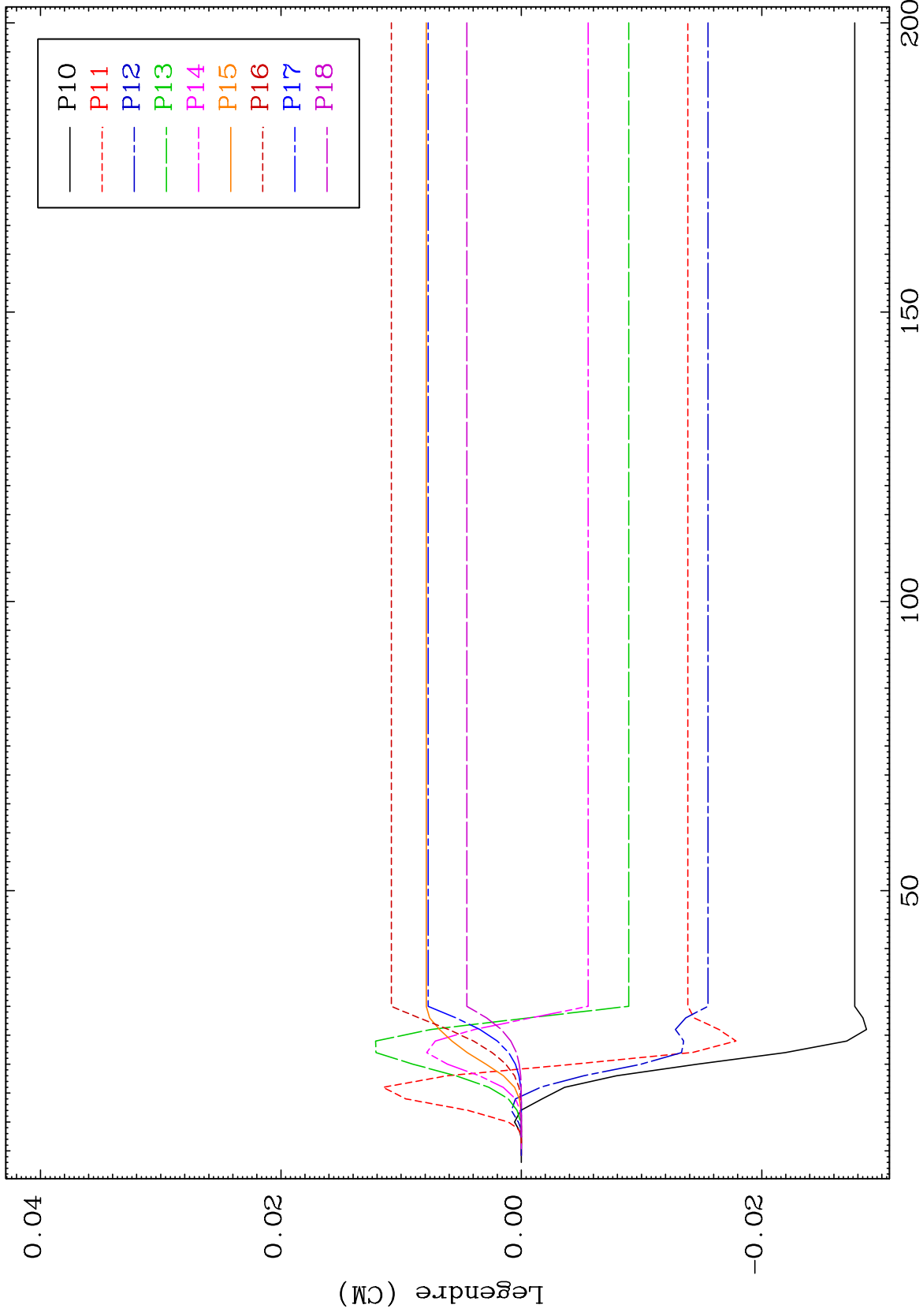
119

38-Sr-87

MAT 3834

2.707 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



120

Incident Energy (MeV)

50

100

150

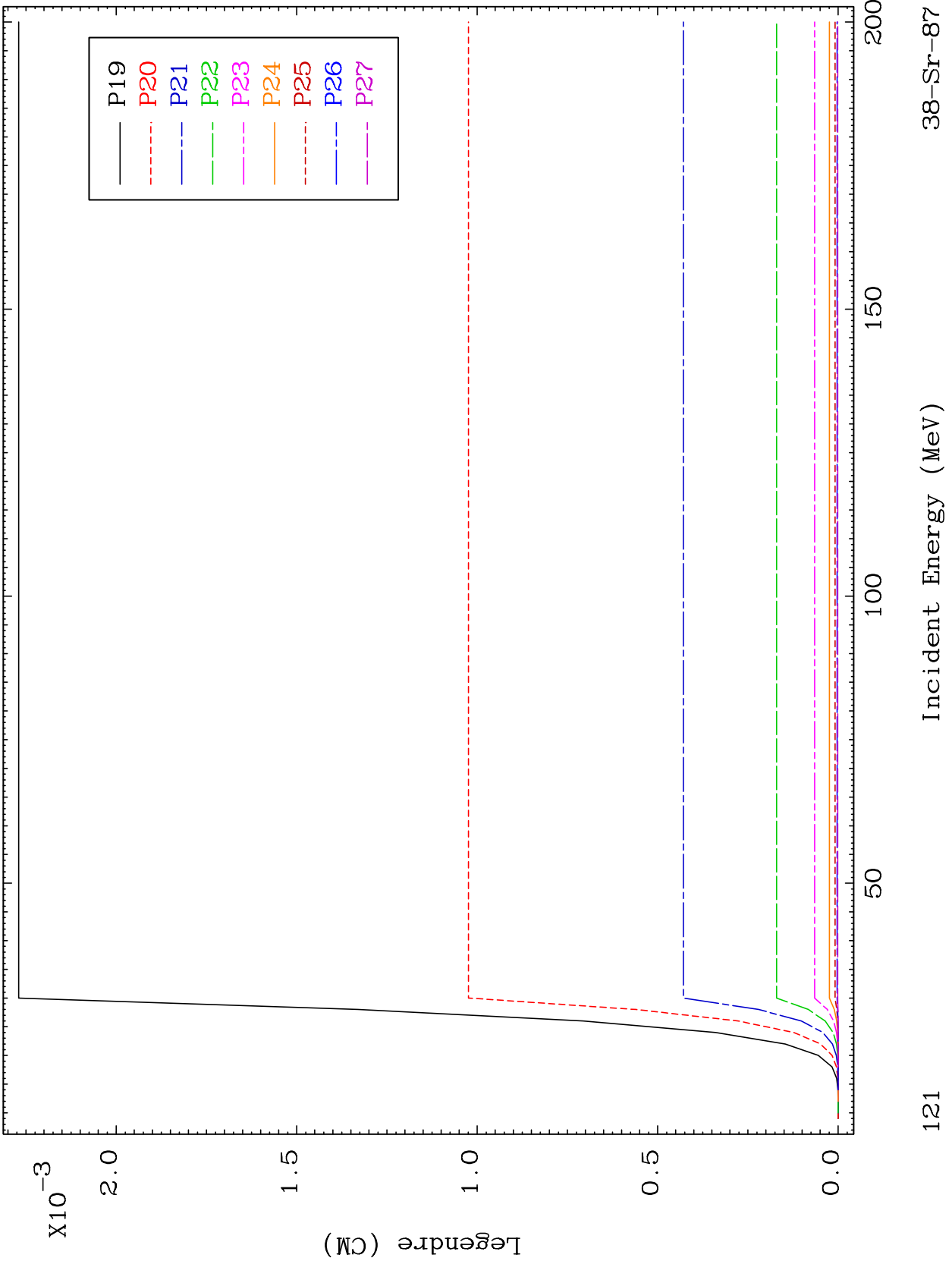
200

38-Sr-87

MAT 3834

2.707 MeV (n,n') Level
Legendre Coefficients

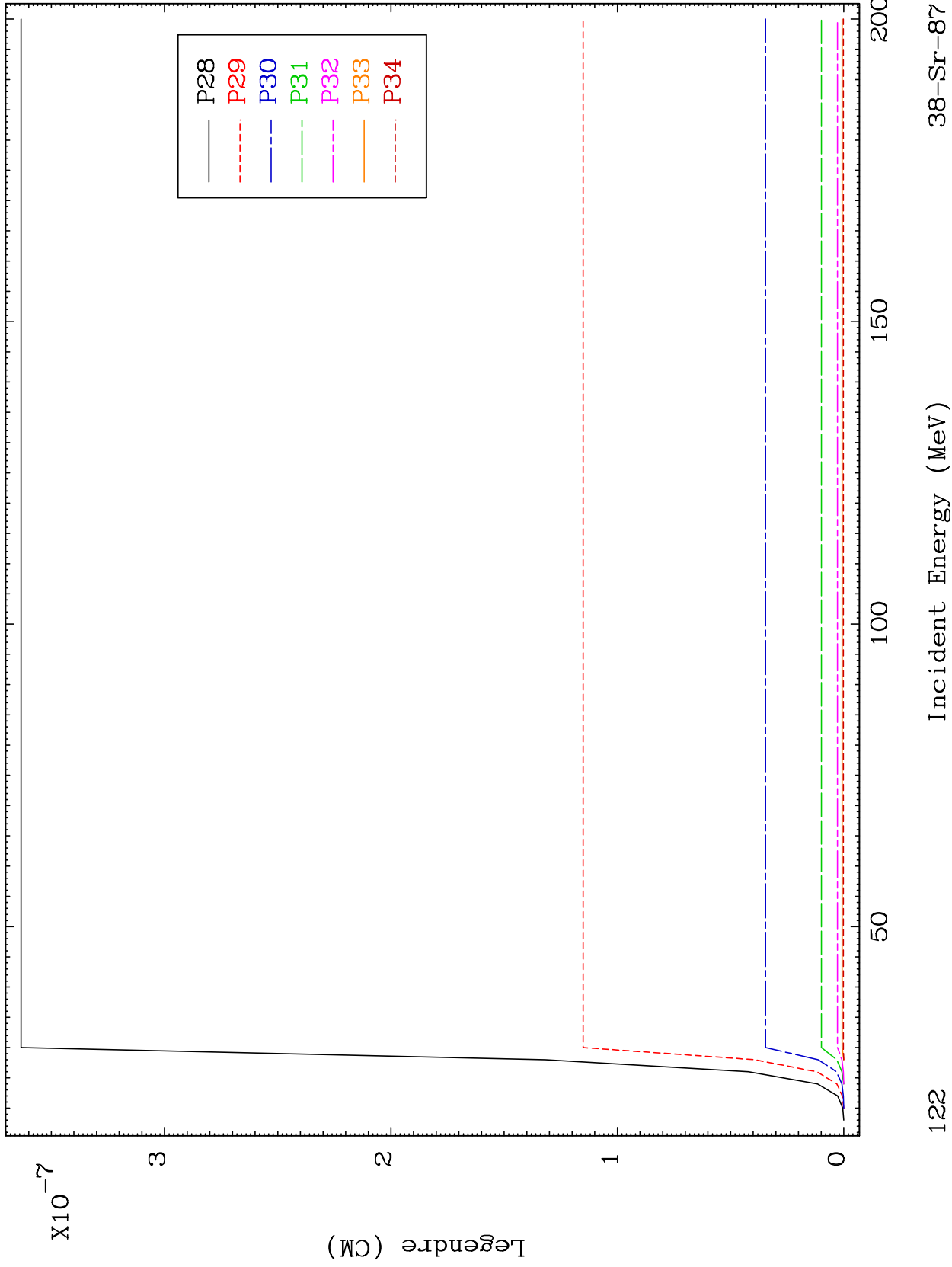
38-Sr-87



MAT 3834

2.707 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



122

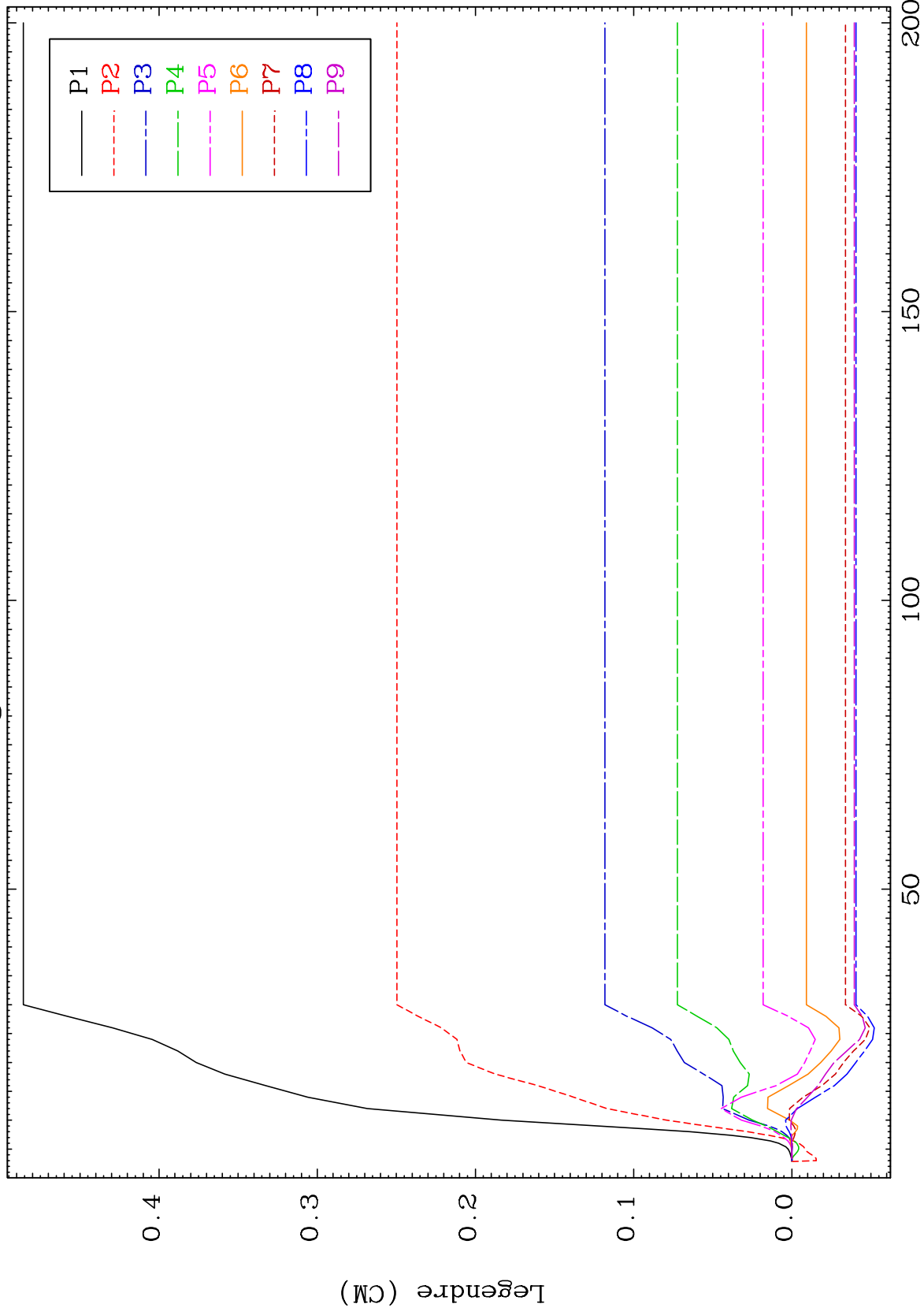
Incident Energy (MeV)

38-Sr-87

MAT 3834

2.803 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



123

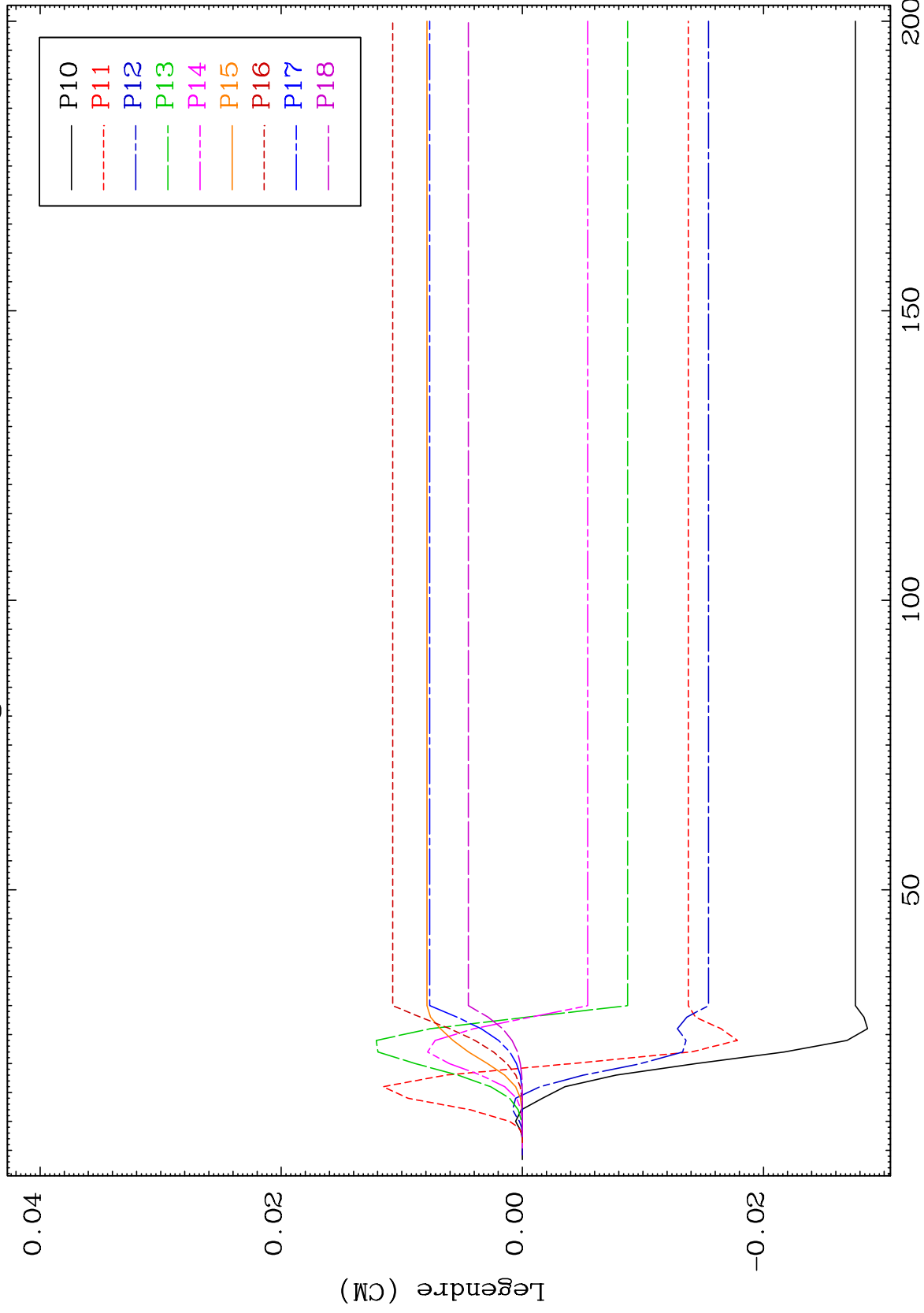
Incident Energy (MeV)

38-Sr-87

MAT 3834

2.803 MeV (n,n') Level
Legendre Coefficients

38-Sr-87



124

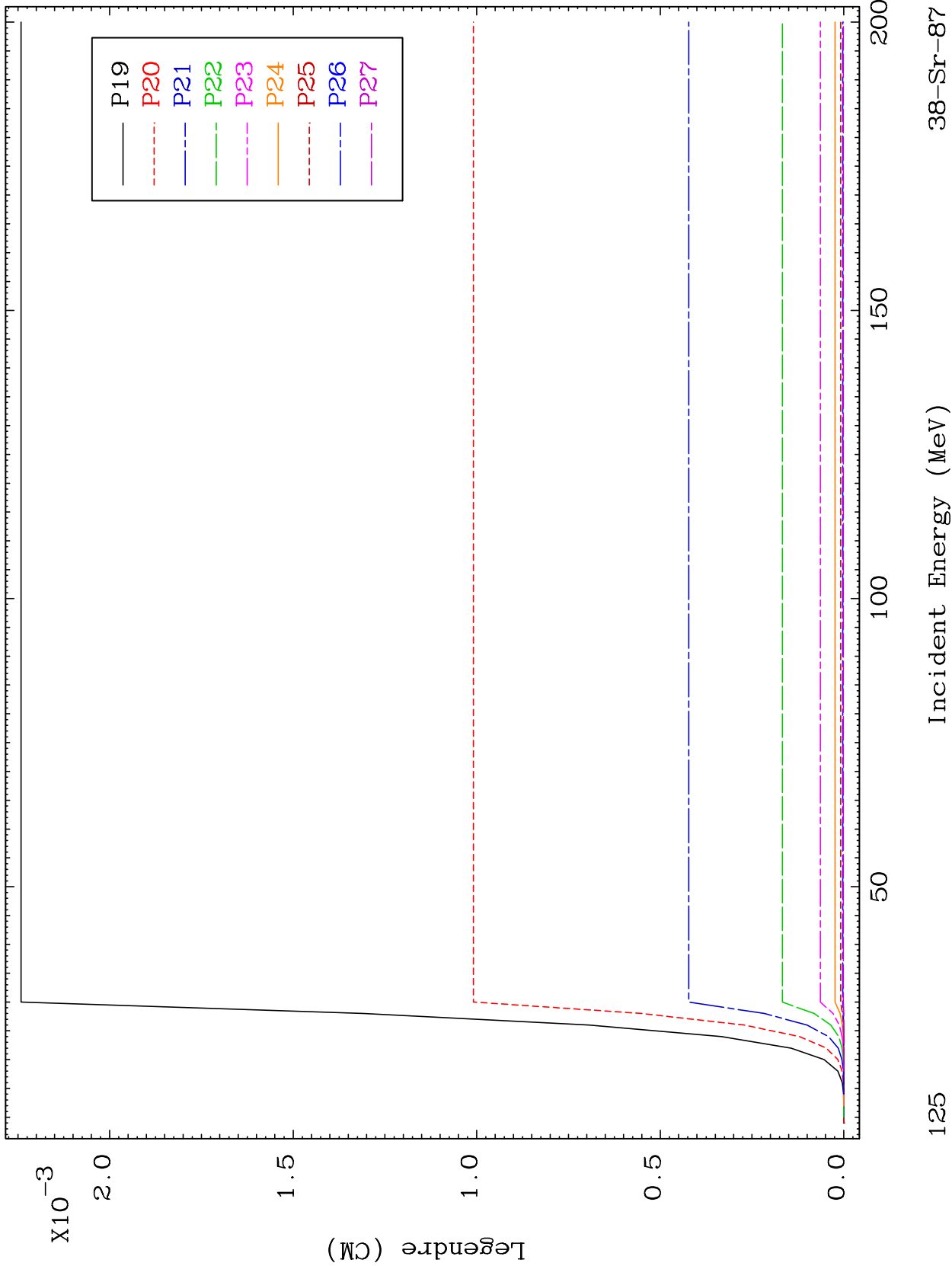
Incident Energy (MeV)

38-Sr-87

MAT 3834

2.803 MeV (n,n') Level
Legendre Coefficients

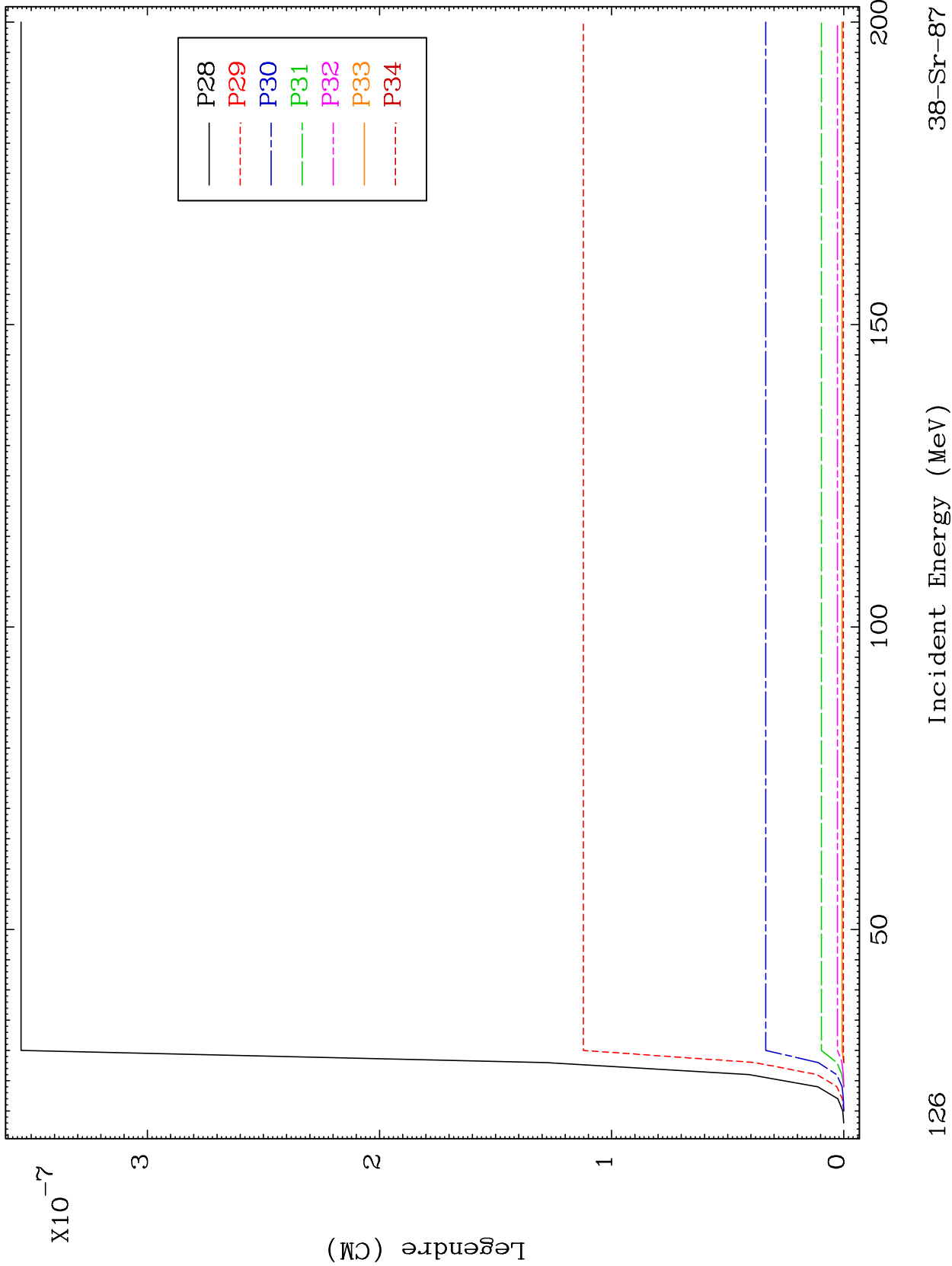
38-Sr-87



MAT 3834

2.803 MeV (n,n') Level
Legendre Coefficients

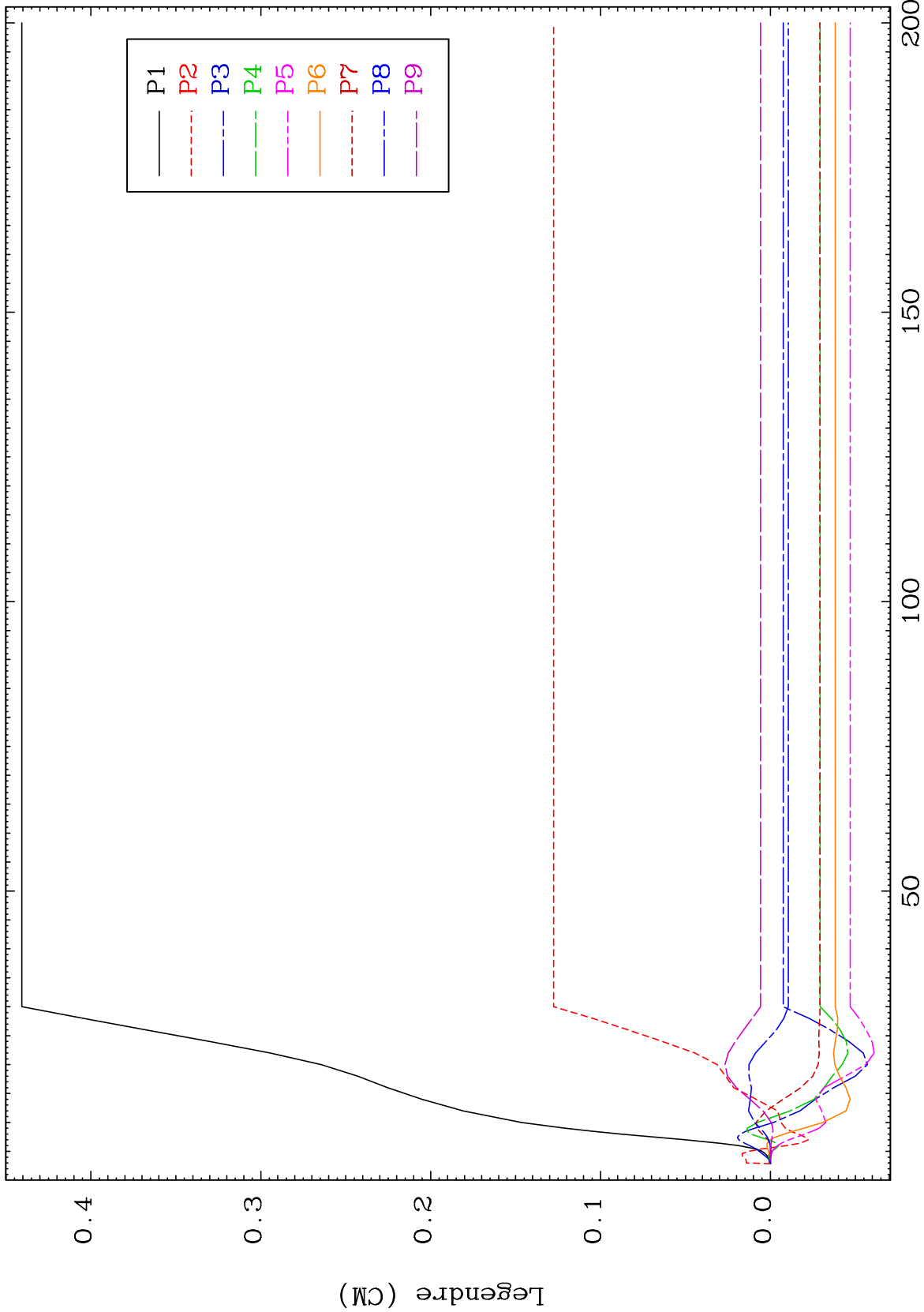
38-Sr-87



126

Incident Energy (MeV)

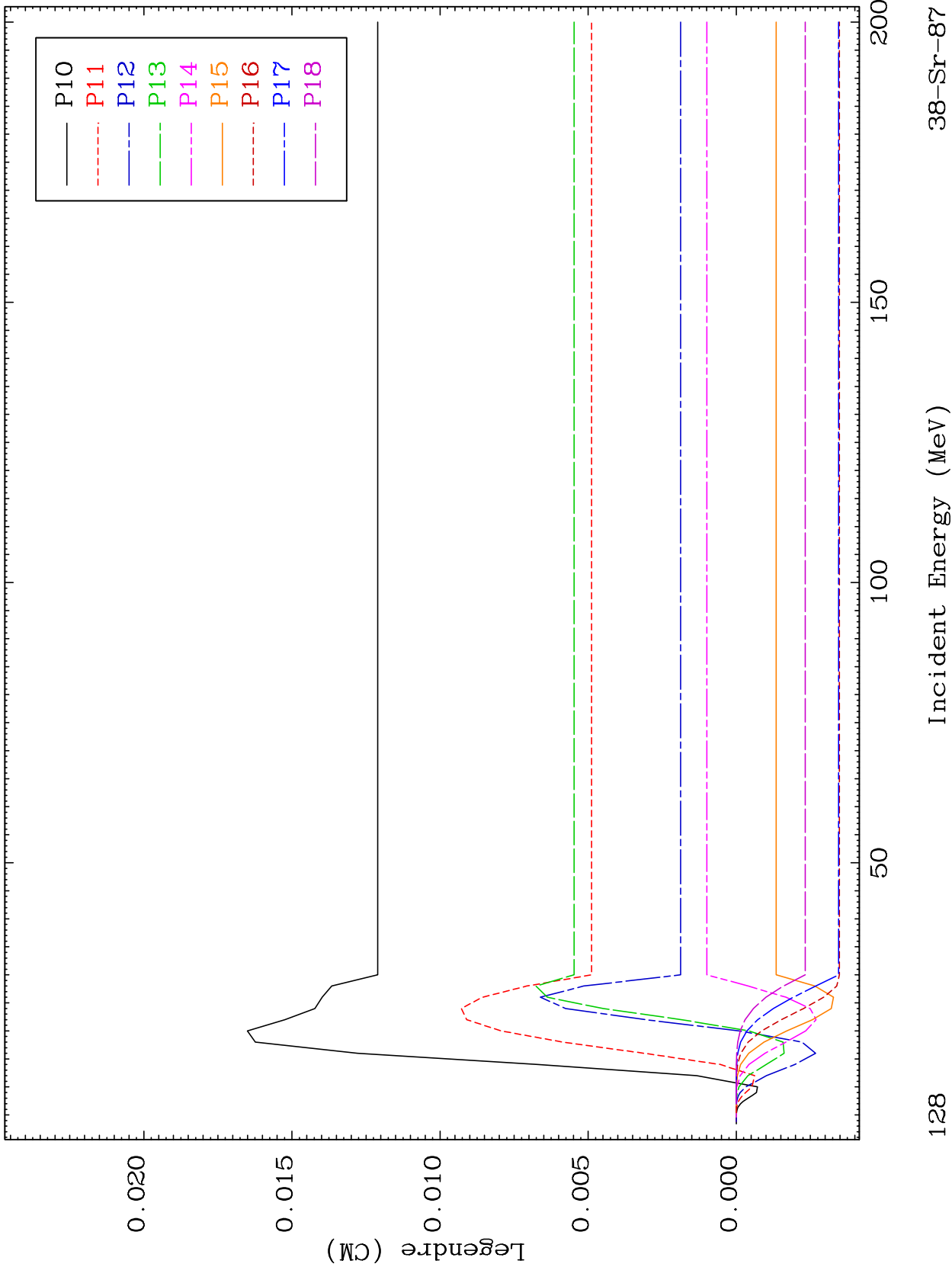
38-Sr-87



MAT 3834

2.819 MeV (n,n') Level
Legendre Coefficients

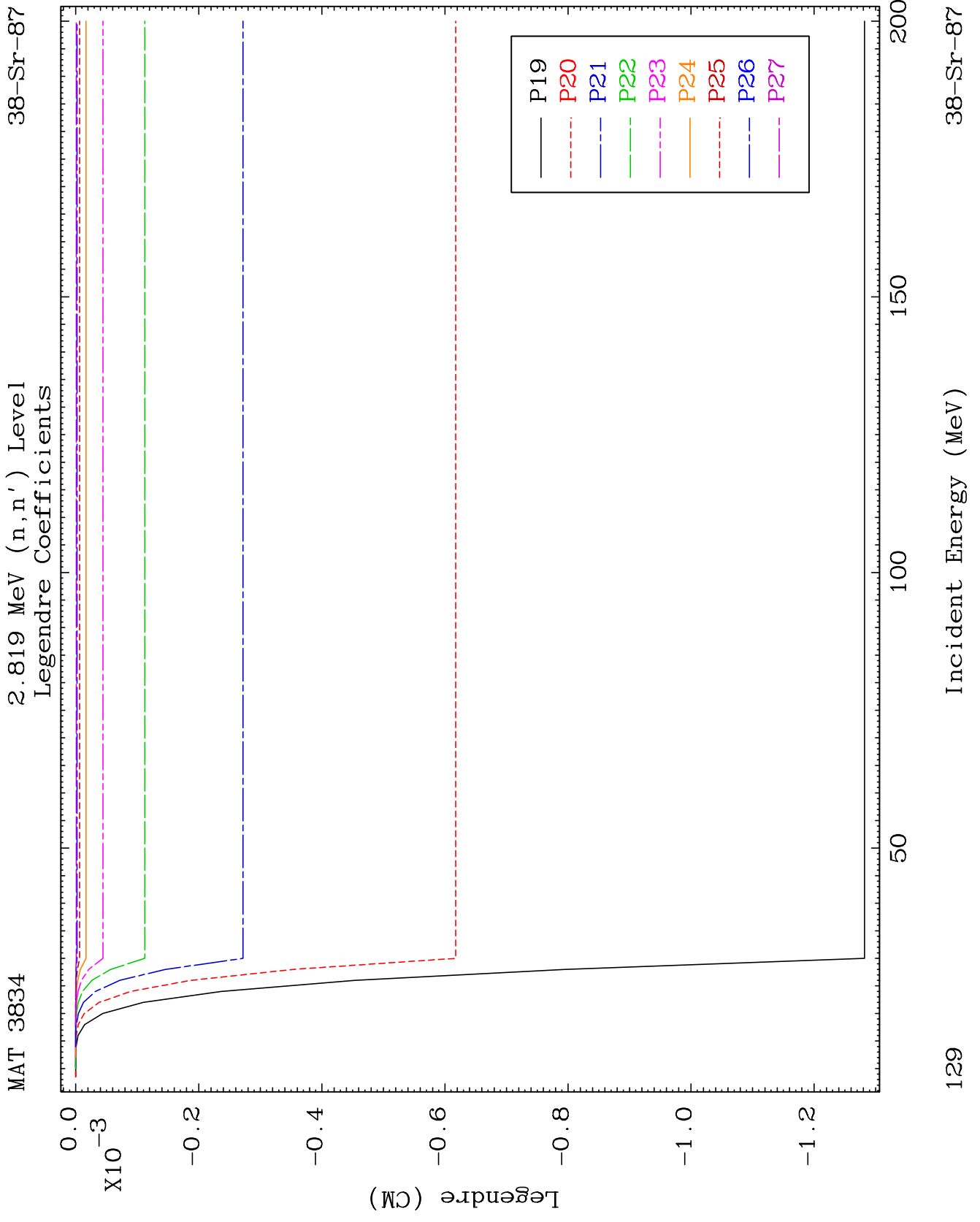
38-Sr-87

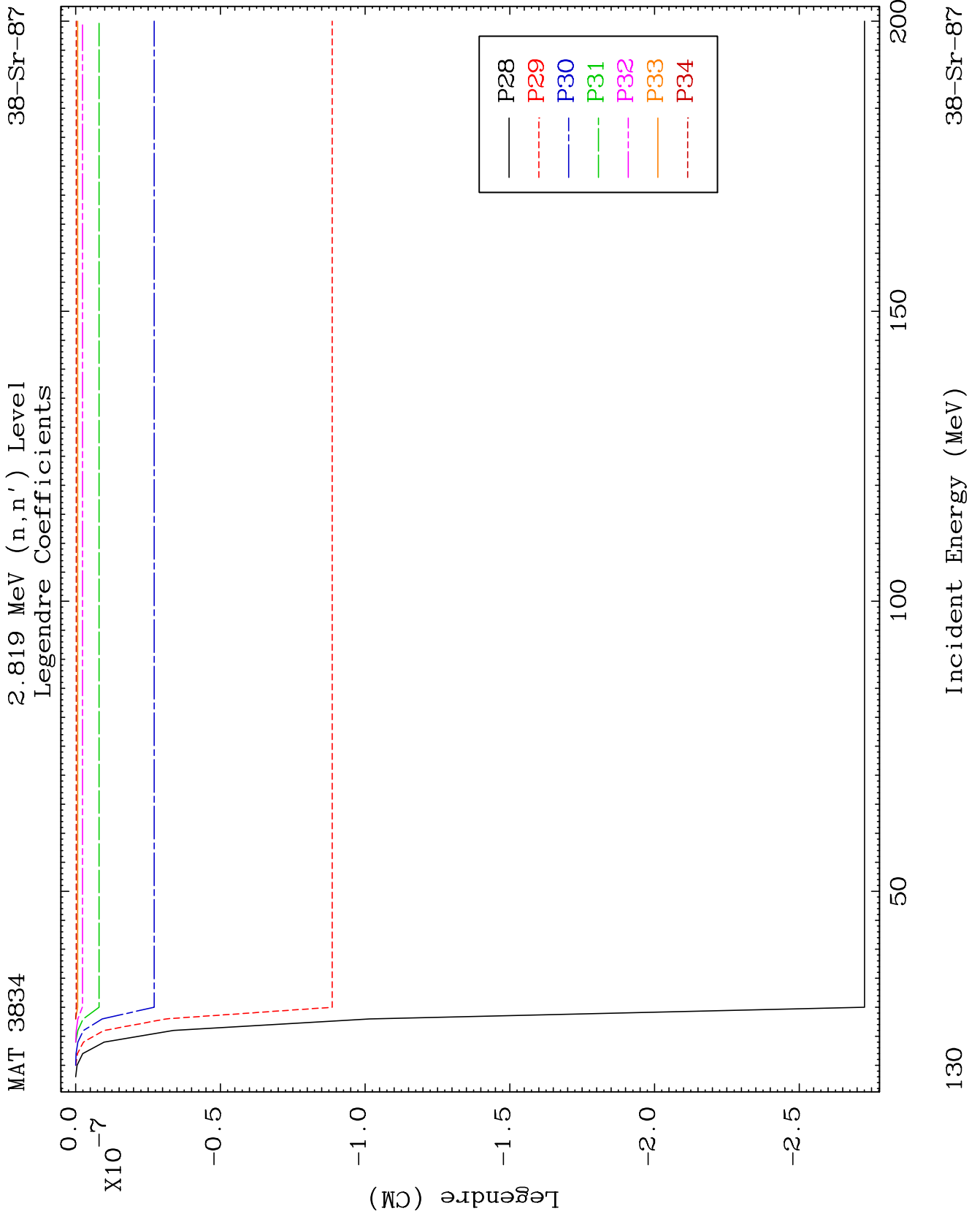


128

Incident Energy (MeV)

38-Sr-87

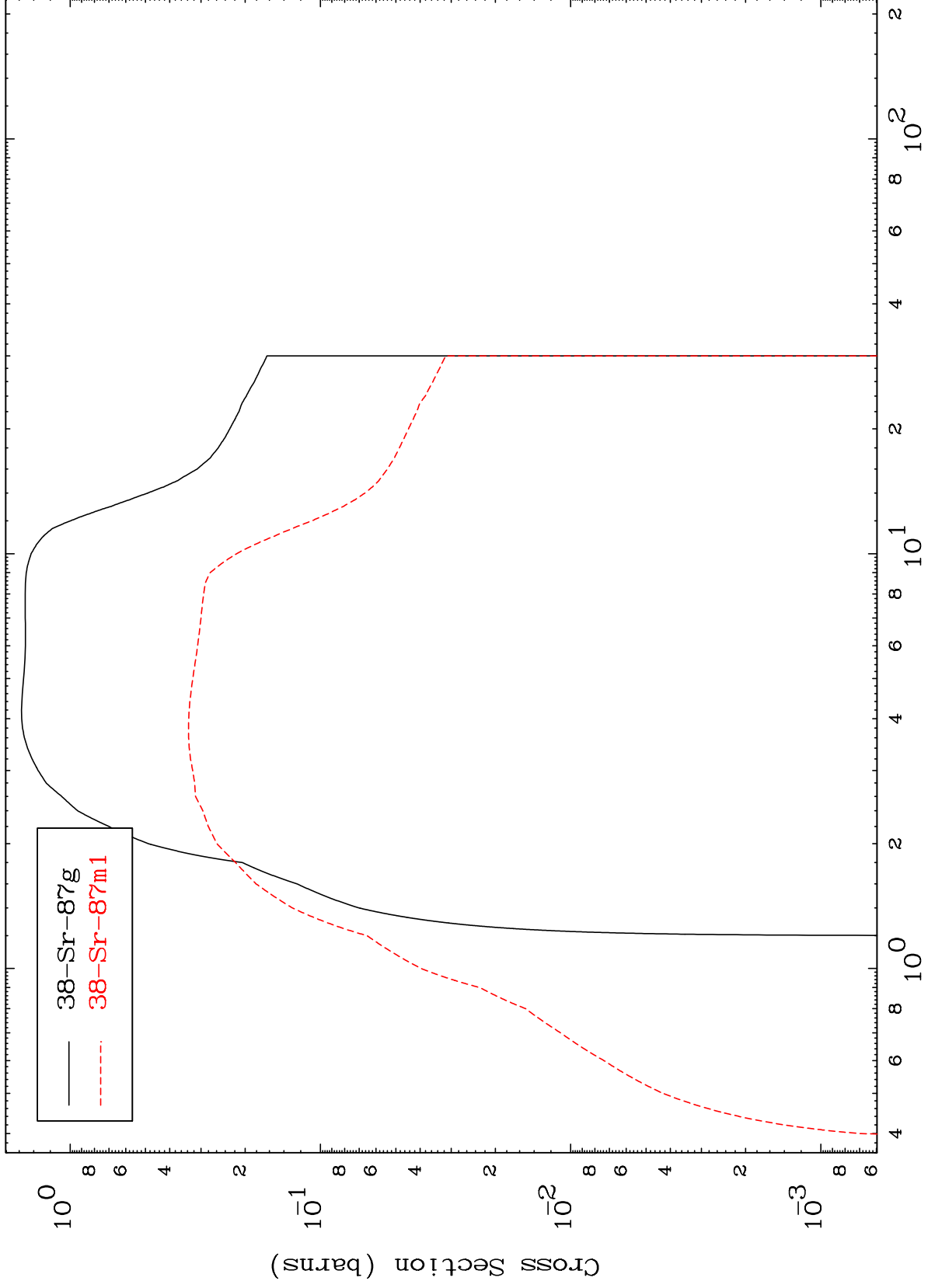




MAT 3834

38-Sr-87

Inelastic
Radionuclide Production Cross Section



— 38-Sr-87g
- - - 38-Sr-87m1

38-Sr-87

Incident Energy (MeV)

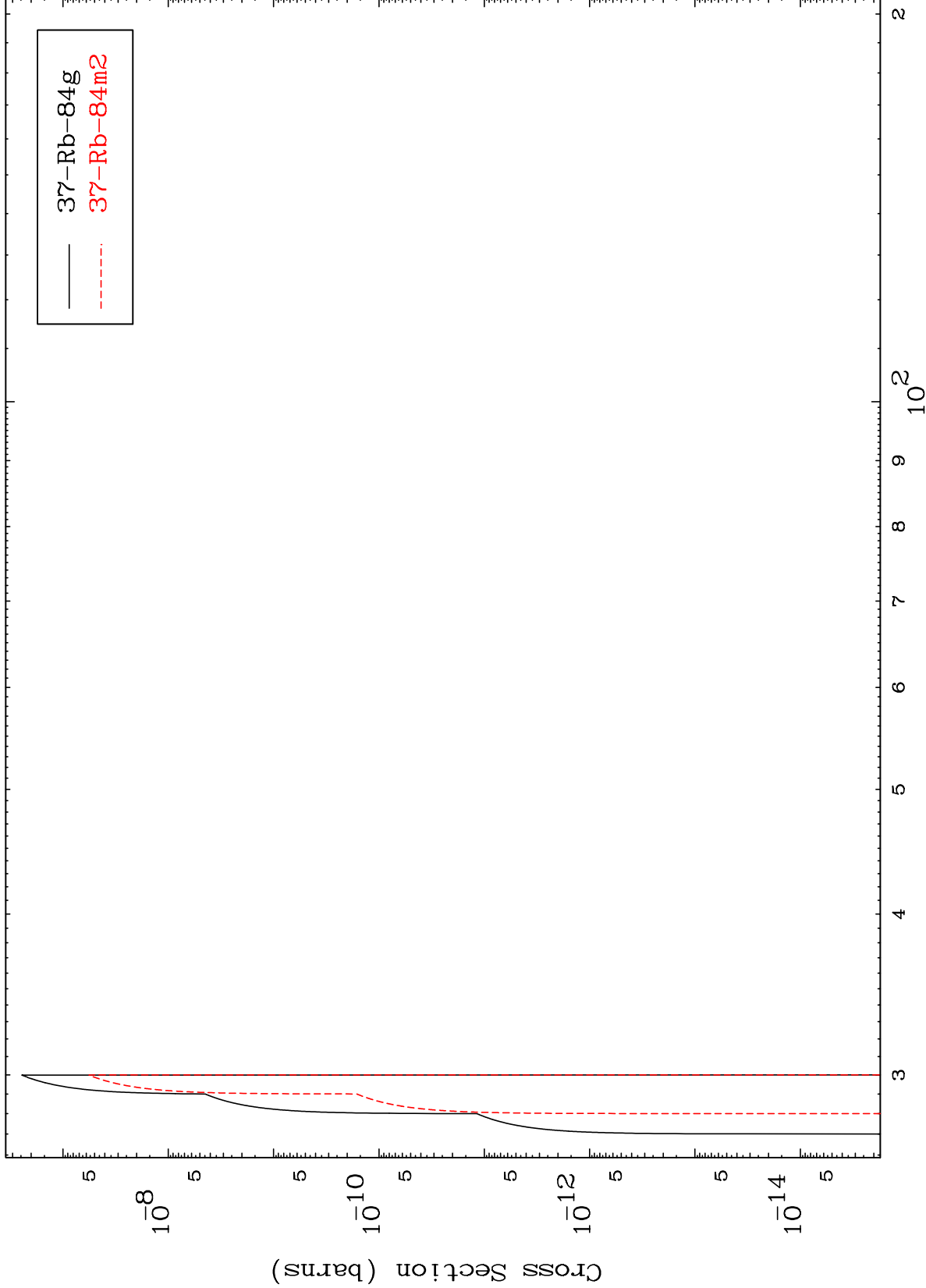
131

MAT 3834

(n,2n) d

38-Sr-87

Radionuclide Production Cross Section



132

Incident Energy (MeV)

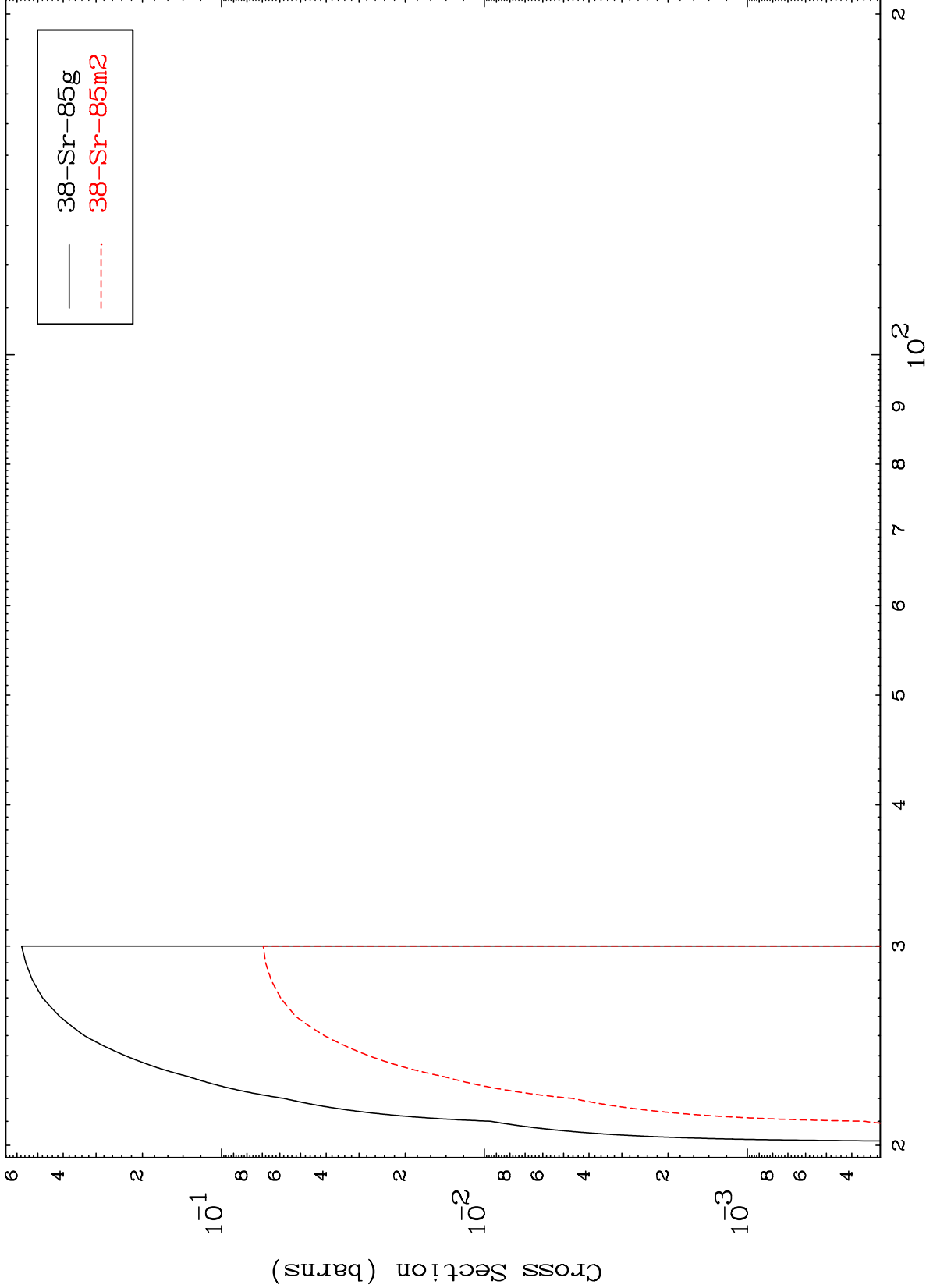
38-Sr-87

MAT 3834

(n,3n)

38-Sr-87

Radionuclide Production Cross Section



133

Incident Energy (MeV)

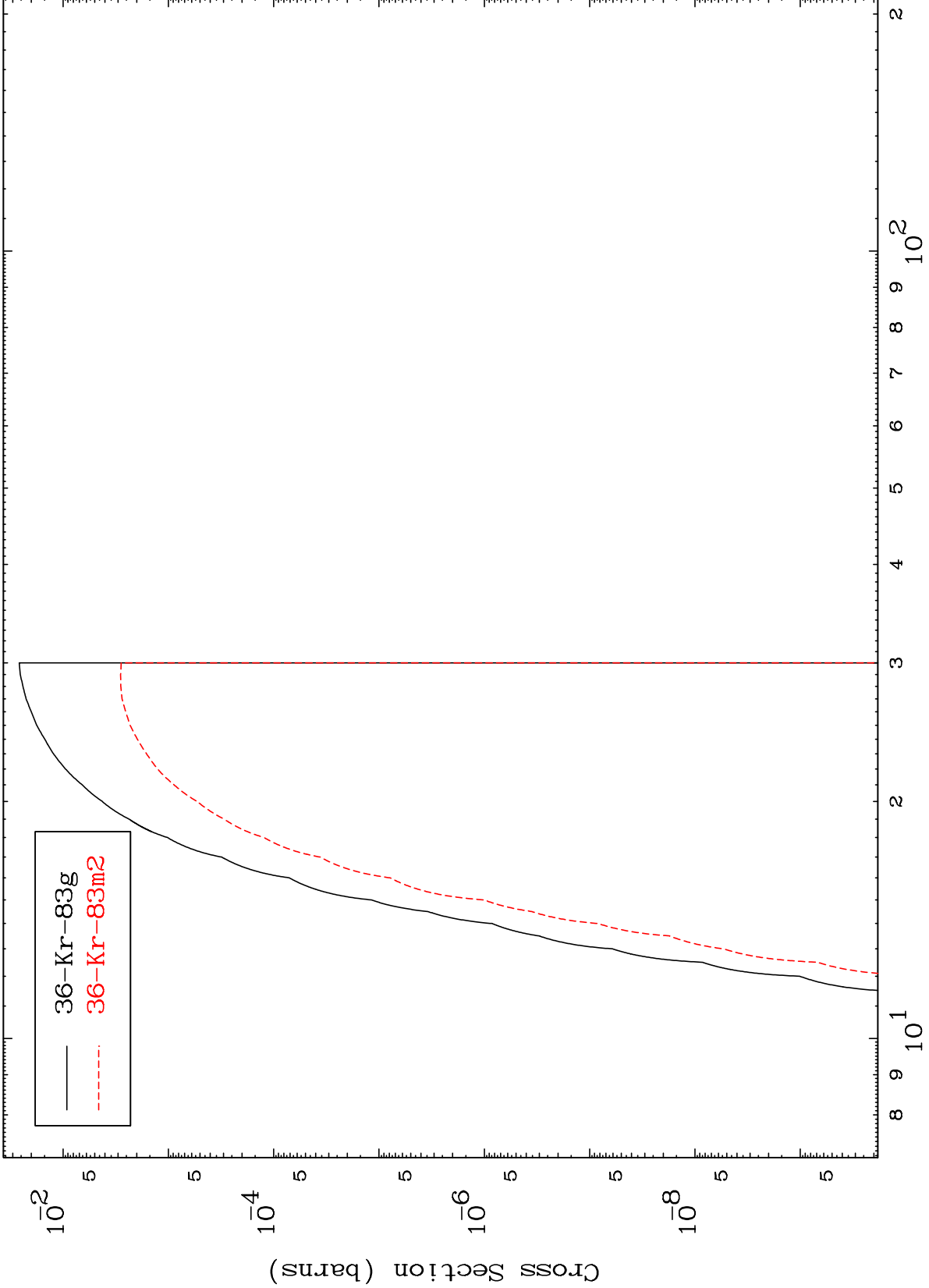
38-Sr-87

MAT 3834

(n,n') α

38-Sr-87

Radionuclide Production Cross Section



134

Incident Energy (MeV)

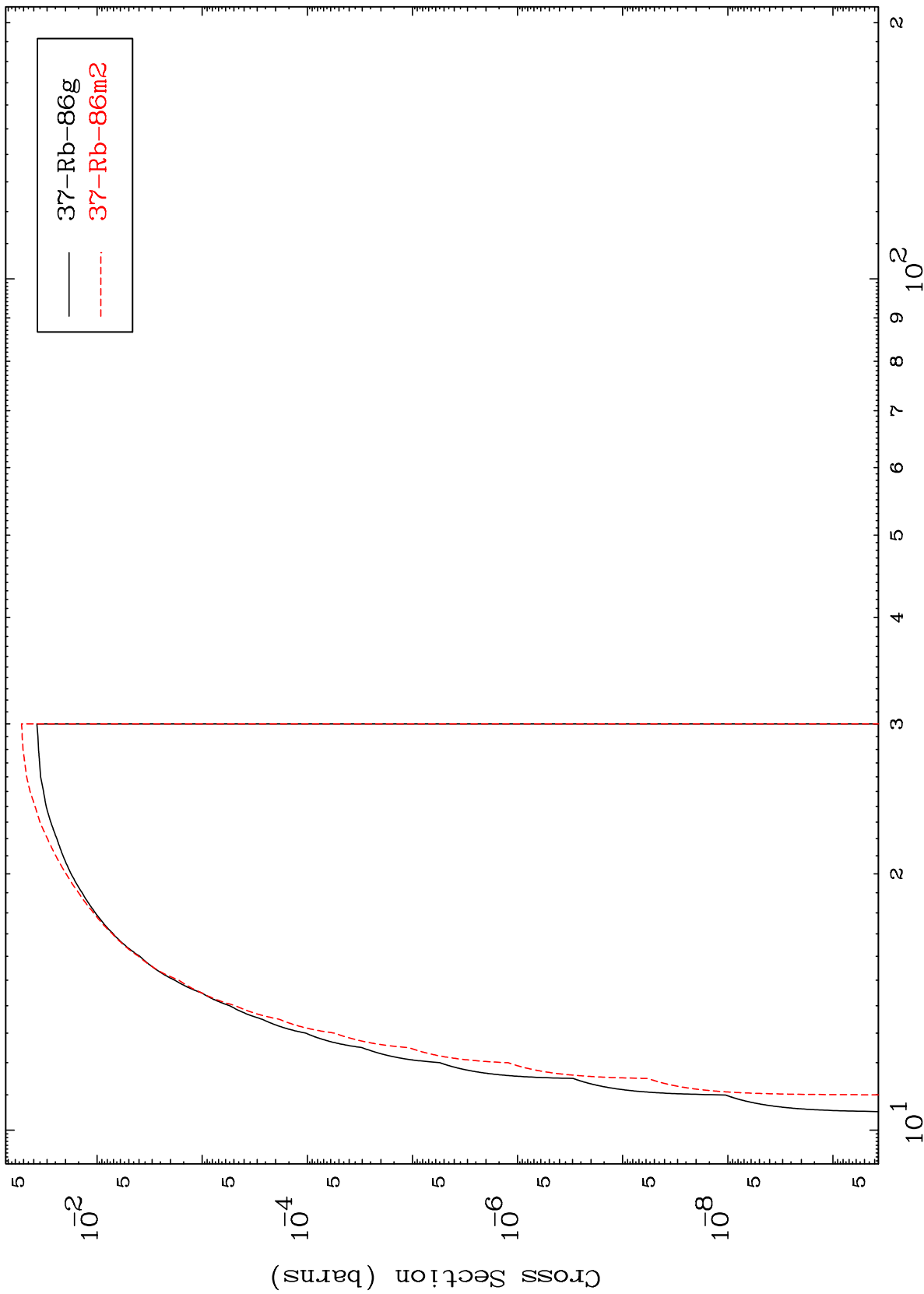
38-Sr-87

MAT 3834

(n,n') p

38-Sr-87

Radionuclide Production Cross Section



Incident Energy (MeV)

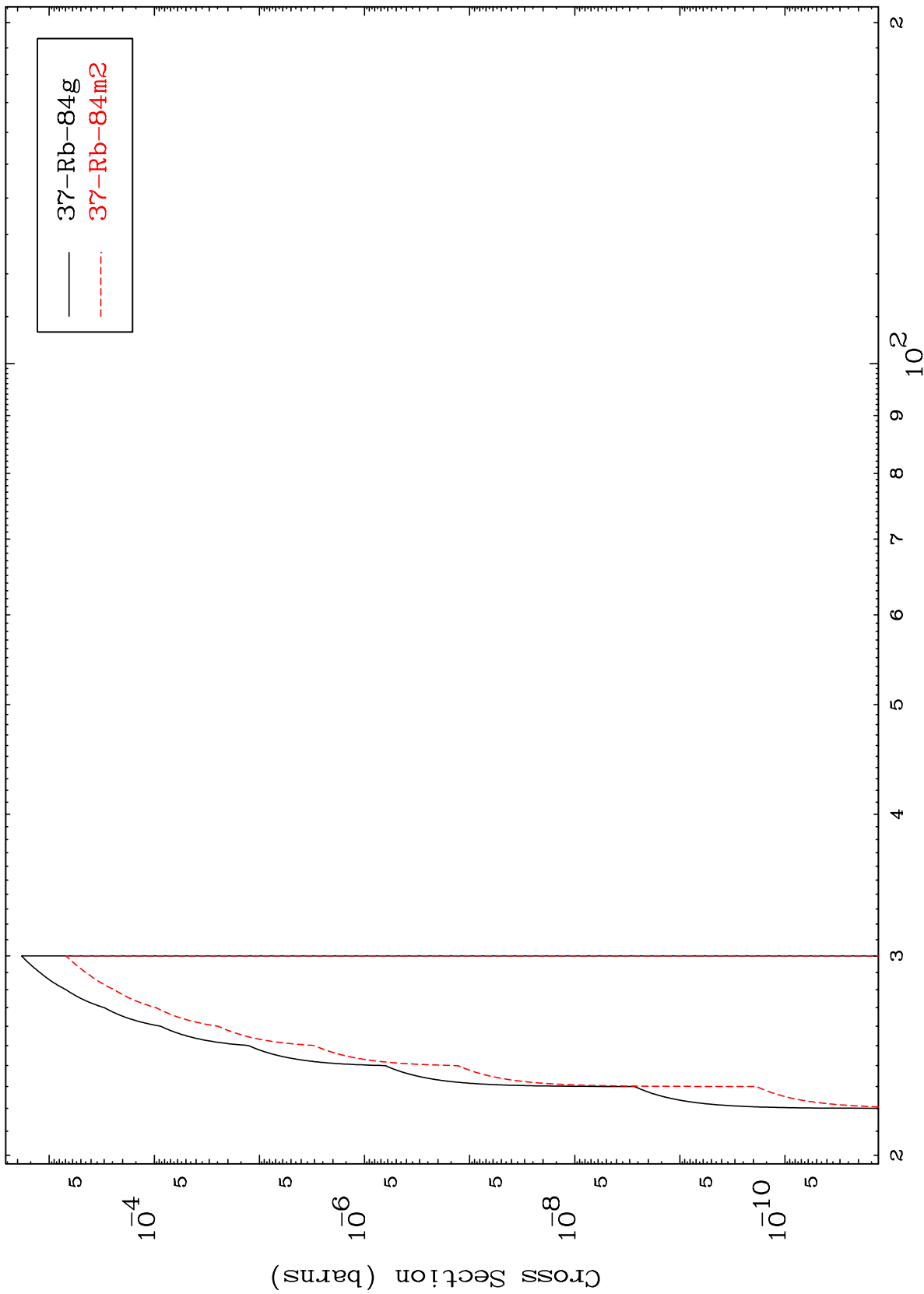
38-Sr-87

MAT 3834

(n,n') t

38-Sr-87

Radionuclide Production Cross Section



136

Incident Energy (MeV)

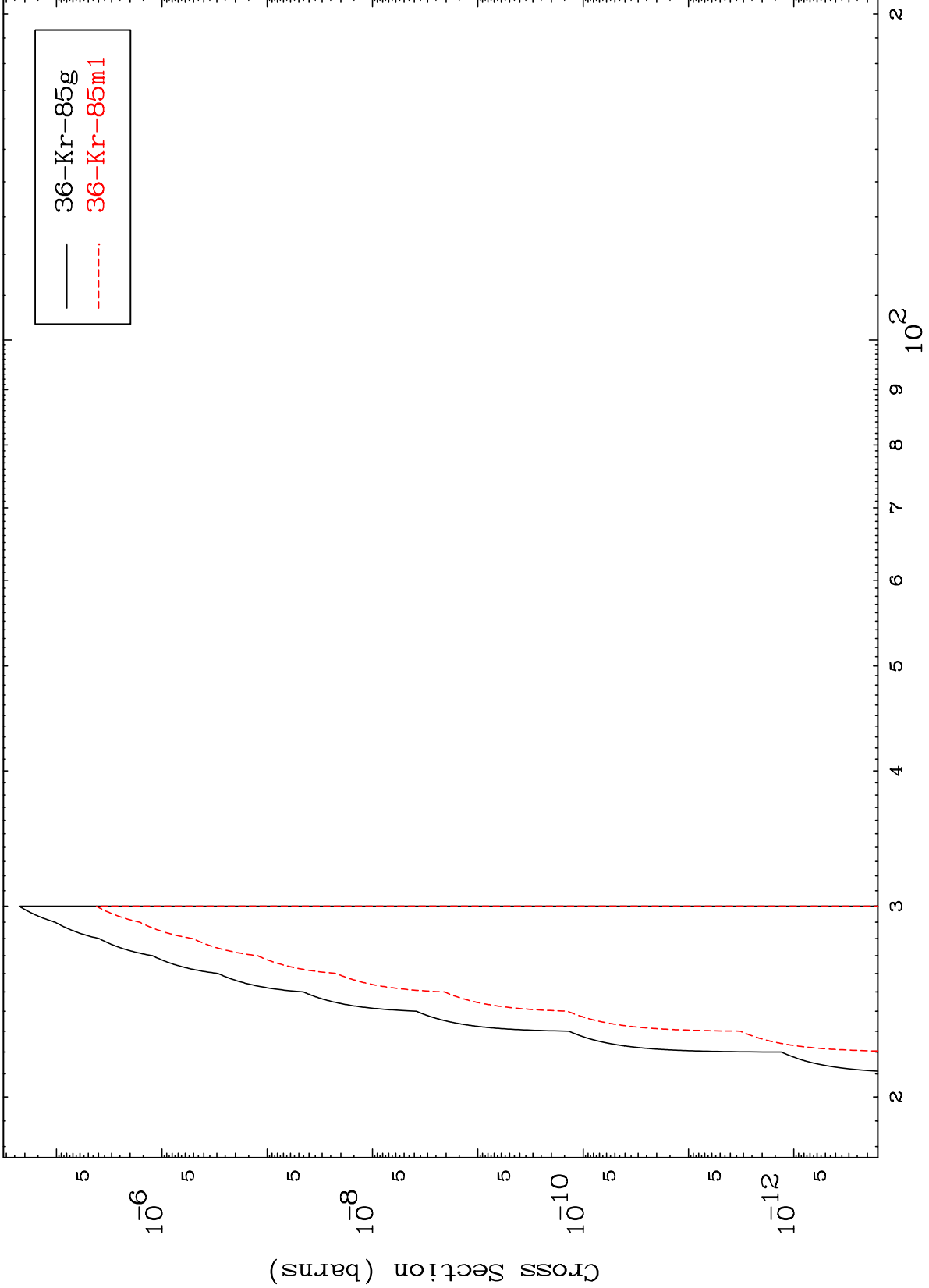
38-Sr-87

MAT 3834

(n,2n) p

38-Sr-87

Radionuclide Production Cross Section

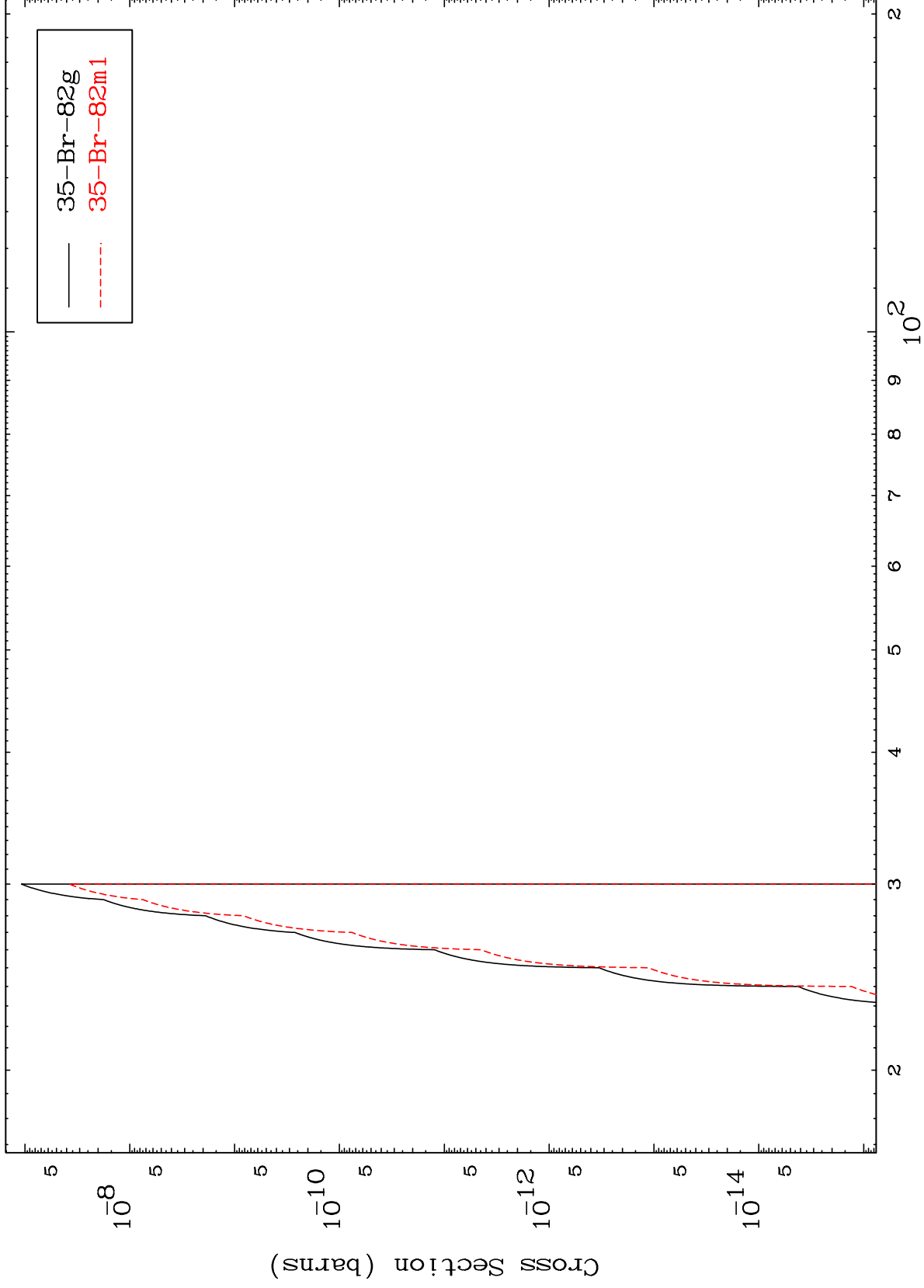


137

Incident Energy (MeV)

38-Sr-87

Radionuclide Production Cross Section

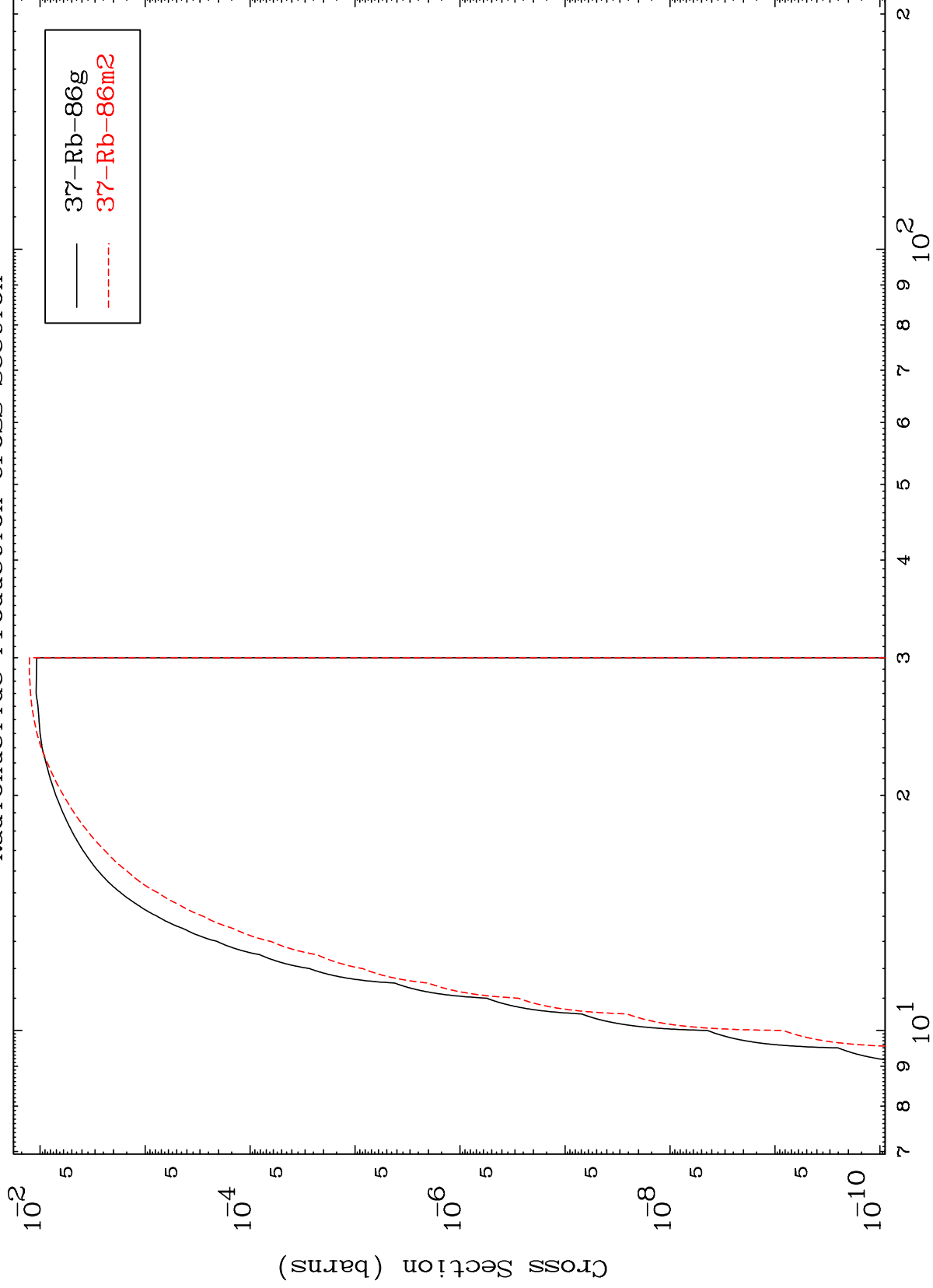


MAT 3834

(n,d)

38-Sr-87

Radionuclide Production Cross Section



139

Incident Energy (MeV)

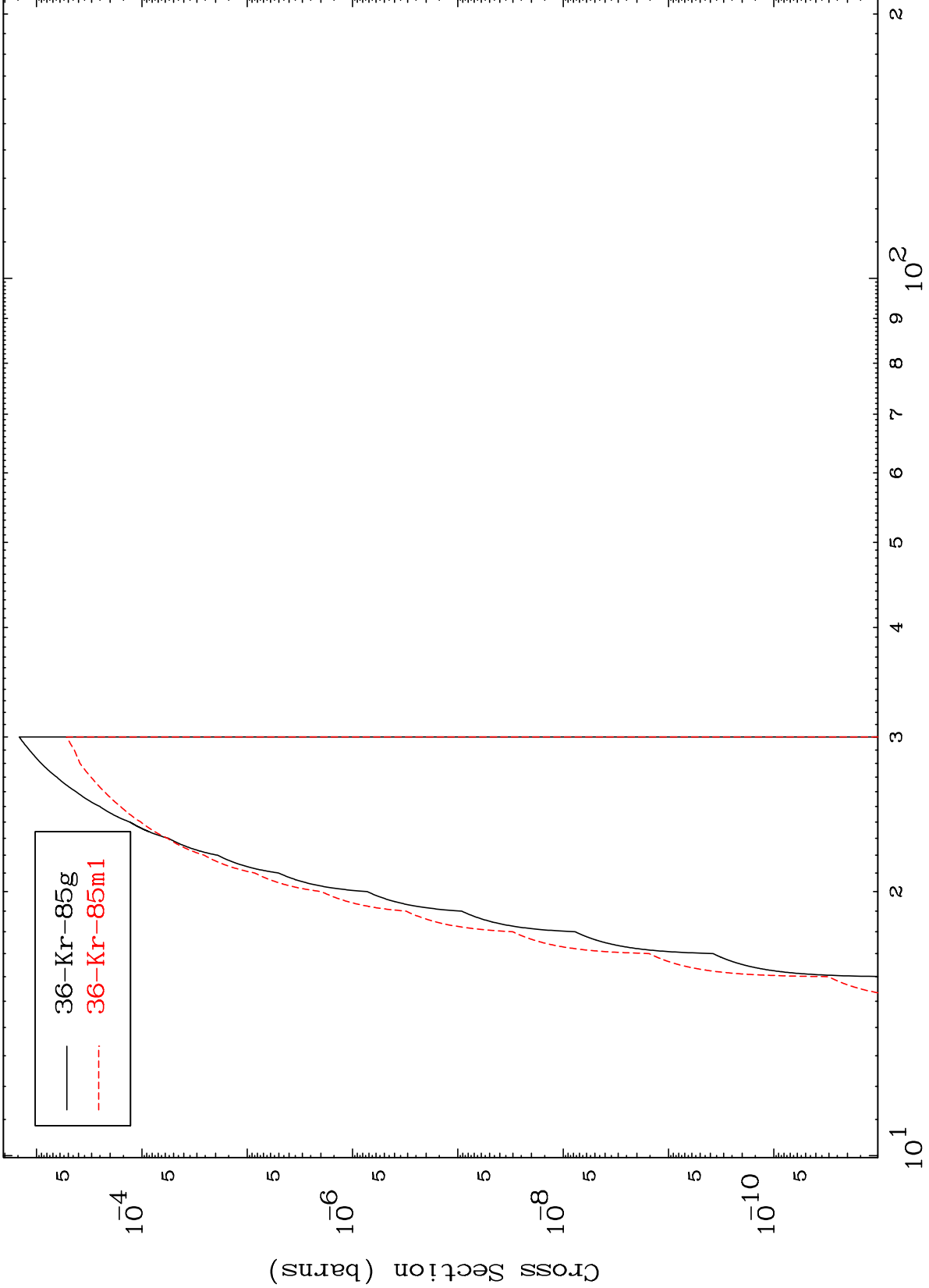
38-Sr-87

MAT 3834

(n,He-3)

38-Sr-87

Radionuclide Production Cross Section



36-Kr-85g
36-Kr-85m1

Incident Energy (MeV)

38-Sr-87

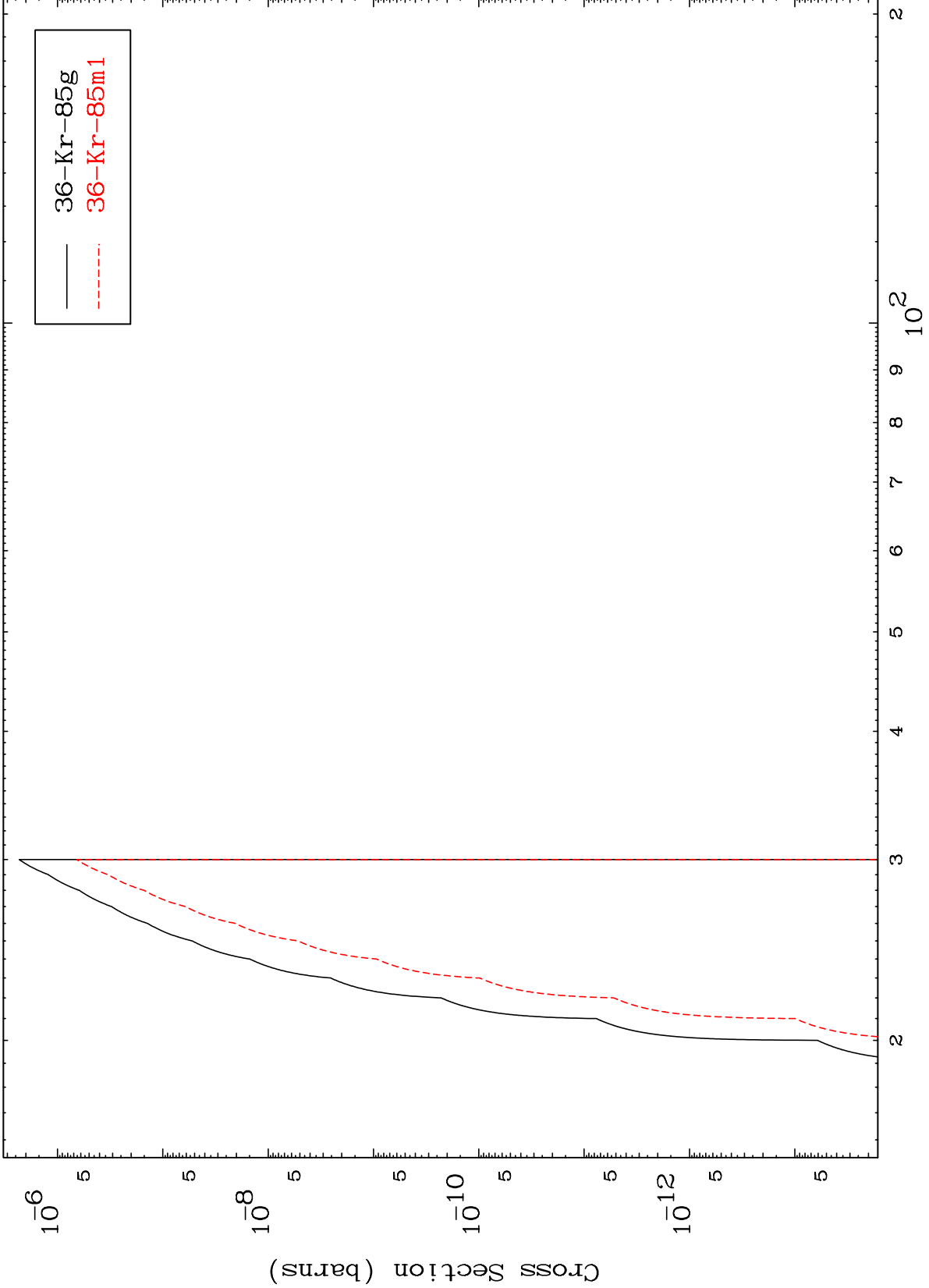
140

MAT 3834

(n,p) d

38-Sr-87

Radionuclide Production Cross Section



141

Incident Energy (MeV)

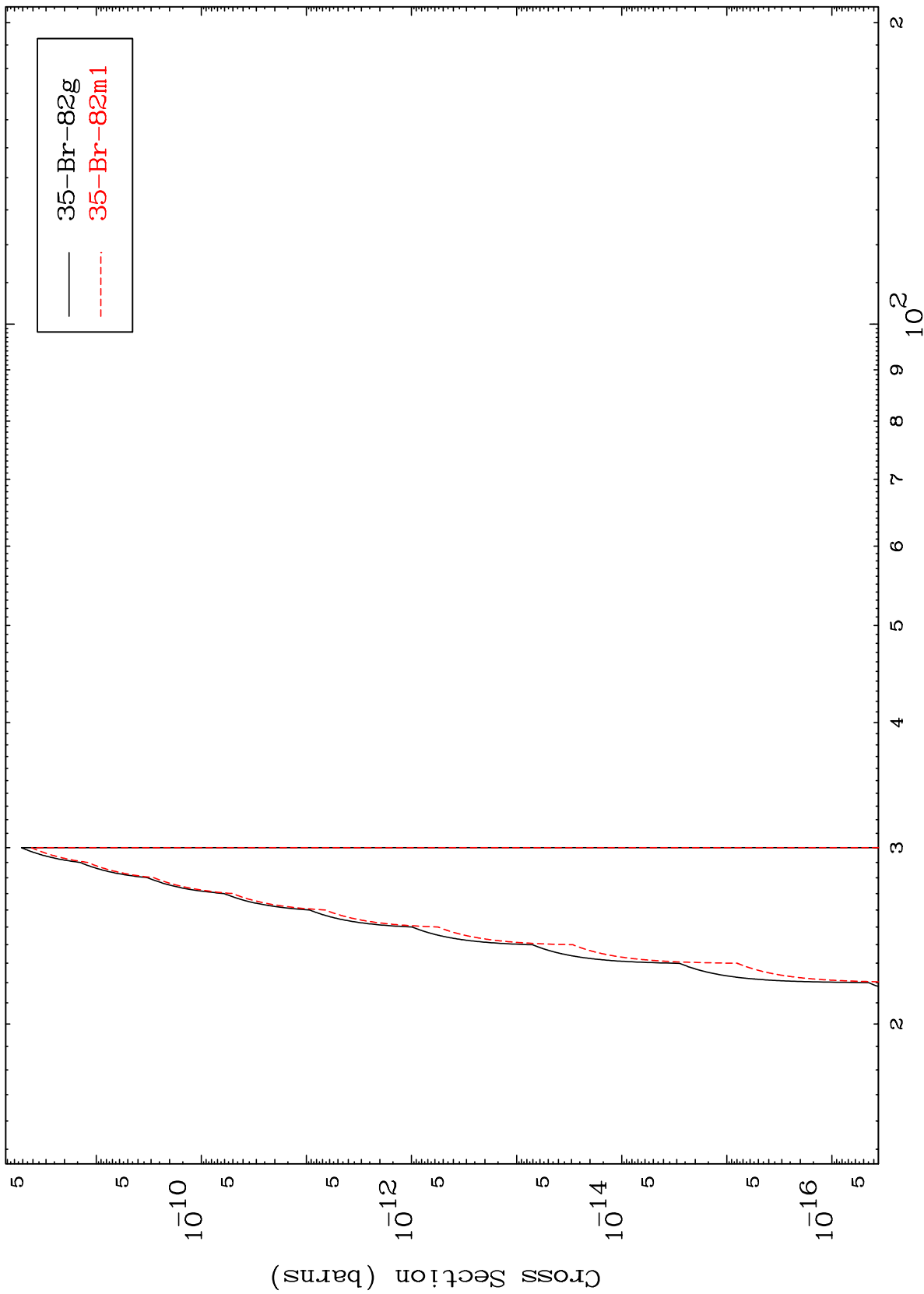
38-Sr-87

MAT 3834

(n,d) α

38-Sr-87

Radionuclide Production Cross Section



142

Incident Energy (MeV)

38-Sr-87